

ZC

中华人民共和国知识产权行业标准

ZC 0012.1—2006

专利数据元素标准

第 1 部分：关于用 XML 处理复审请求审查决定、无效请求审查决定和司法判决文件的暂行办法

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前 言

ZC 0012《专利数据元素标准》分为三个部分：

——第 1 部分：关于用 XML 处理复审请求审查决定、无效请求审查决定和司法判决文件的暂行办法；

——第 2 部分：关于用 XML 处理中国发明、实用新型专利文献数据的暂行办法；

——第 3 部分：关于用 XML 处理中国专利审批业务相关数据的暂行办法；

本部分为 ZC 0012 的第 1 部分。

本部分的附录 A、附录 B 和附录 C 为规范性附录。

本部分由中华人民共和国国家知识产权局批准。

本部分由中华人民共和国国家知识产权局标准化委员会提出并归口。

本部分起草单位：中华人民共和国国家知识产权局《专利数据元素标准》制订工作组。

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引 言

ZC 0012 的本部分的制订是为了更好的使用复审委决定相关文件包括复审请求审查决定、无效宣告请求审查决定、复审请求（撤销）审查决定以及司法判决等文件，为这些文件电子化的加工、交换、处理和展示提供支持，使得相关的软件产品能够以统一的方式处理这些文件。

专利数据元素标准

第 1 部分：关于用 XML 处理复审委决定、无效请求审查决定和司法判决文件的暂行办法

1 范围

ZC 0012 的本部分规定了在使用 XML 对复审决定、撤销复审决定、无效宣告决定以及司法判决等文件进行加工、交换、处理、展示时所应遵循的规则。

本部分适用于复审决定、撤销复审决定、无效宣告决定以及司法判决等文件进行加工、交换、处理、展示的过程中使用 XML 进行数据的存储、交换和显示。

2 术语和定义

下列术语和定义适用于 ZC 0012 的本部分。

2.1 专利申请

ZC 0012 的本部分所称“专利申请”包括发明专利申请、实用新型专利申请、外观设计专利申请和集成电路布图设计申请。

2.2 复审委决定

ZC 0012 的本部分所称“复审委决定”是指复审委员会做出的审查决定。

2.3 复审决定

ZC 0012 的本部分所称“复审决定”是复审请求审查决定的简称，是指复审委员会针对专利申请人不服驳回决定提出的复审请求所做出的决定。

2.4 撤销复审决定

2000 年以前，专利授权后可在撤销期内提出撤销请求，由专利局做出撤销审查决定。ZC 0012 的本部分所称“撤销复审决定”是指在这种情况下针对专利权人或专利撤销请求人提出的复审请求，由复审委员会做出的审查决定。

2.5 无效宣告决定

ZC 0012 的本部分所称“无效宣告决定”是无效宣告请求审查决定的简称，是指复审委员会针对无效宣告请求人提出的无效宣告请求所做出的决定。

2.6 司法判决

ZC 0012 的本部分所称“司法判决”是指相关法院对于专利相关的行政诉讼做出的判决。

2.7 XML

ZC 0012 的本部分所称“XML”是 Extensible Markup Language 的缩写(意为可扩展的标记语言)。XML 是一套定义语义标记的规则，这些标记将文档分成许多部件并对这些部件加以标识。它也是元标记语言，即定义了用于定义其他于特定领域有关的、语义的、结构化的标记语言的句法语言。

3 重要数据结构的说明

本节简要介绍了 ZC 0012 的本部分中定义的重要数据的结构，并对其中一些元素进行了说明，要了解这些元素的更详细的信息，请参阅附录 A。

3.1 专利复审委员会审查决定的结构

专利复审委员会审查决定主要包括复审请求审查决定、撤销复审请求审查决定和无效宣告请求审查决定三种类型，通过属性 appeal-type 来确定。专利复审委员会审查决定的基本结构如图 1 所示

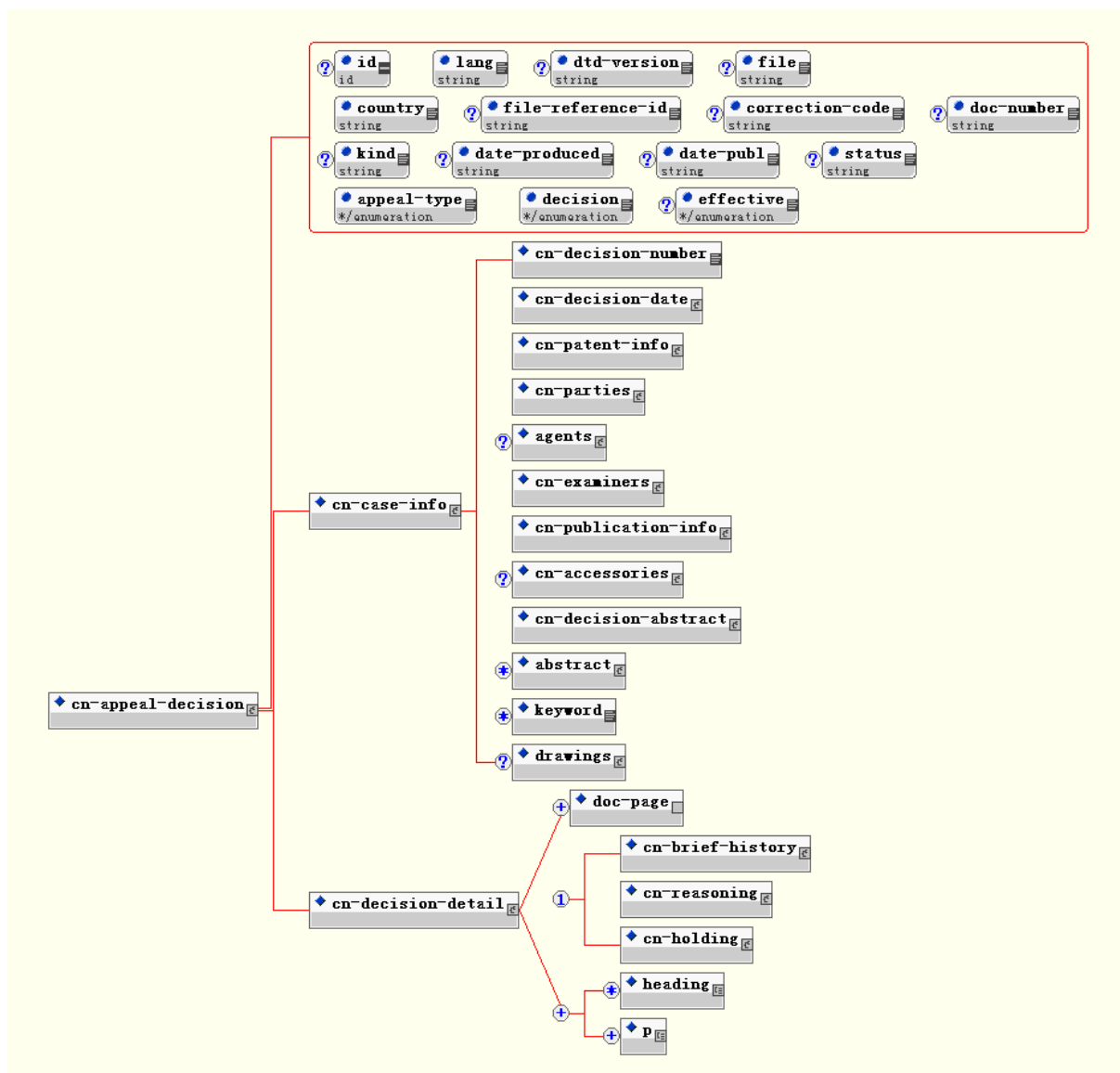


图 1 专利复审委员会审查决定的基本结构

根元素 cn-appeal-decision 由两个主要部分构成，cn-case-info 说明了该复审委员会审查决定的基本信息；cn-decision-detail 对该复审委员会审查决定的具体内容进行了描述。

复审委员会审查决定的基本信息（cn-case-info）的主要构成包括以下元素：

- ✧ 复审决定号/无效决定号（cn-decision-number）；
- ✧ 作出审查决定的日期（cn-decision-date）；
- ✧ 相关专利的信息（cn-patent-info）；
- ✧ 复审、撤销复审以及无效宣告请求的相关人（cn-parties）。其中对于复审请求只有复审请求人（cn-complainant）；对于无效宣告请求应有无效宣告请求人（cn-requester）和被请求人

(cn-patentee); 对于撤销复审请求, 如果请求人不是专利权人, 则应有撤销复审请求人 (cn-appellant) 和被请求人 (cn-appellee), 否则仅有撤销复审请求人 (cn-appellant), 不出现被请求人 (cn-appellee)。

- ✧ 复审审查员 (cn-examiners);
- ✧ 复审决定公告情况 (cn-publication-info);
- ✧ 复审决定的简要介绍 (cn-decision-abstract);
- ✧ 关键词 (keyword)
- ✧ 附图 (drawings)。

复审委员会审查决定的具体内容 (cn-decision-detail) 可以用扫描图像表示 (doc-page) 或一系列段落 ((heading?,p+)+), 或者分为案由 (cn-brief-history)、决定的理由 (cn-reasoning) 和判决决定 (ch-holding) 三部分。

3.2 司法判决文件的结构

司法判决文件的基本构成如图 2 所示

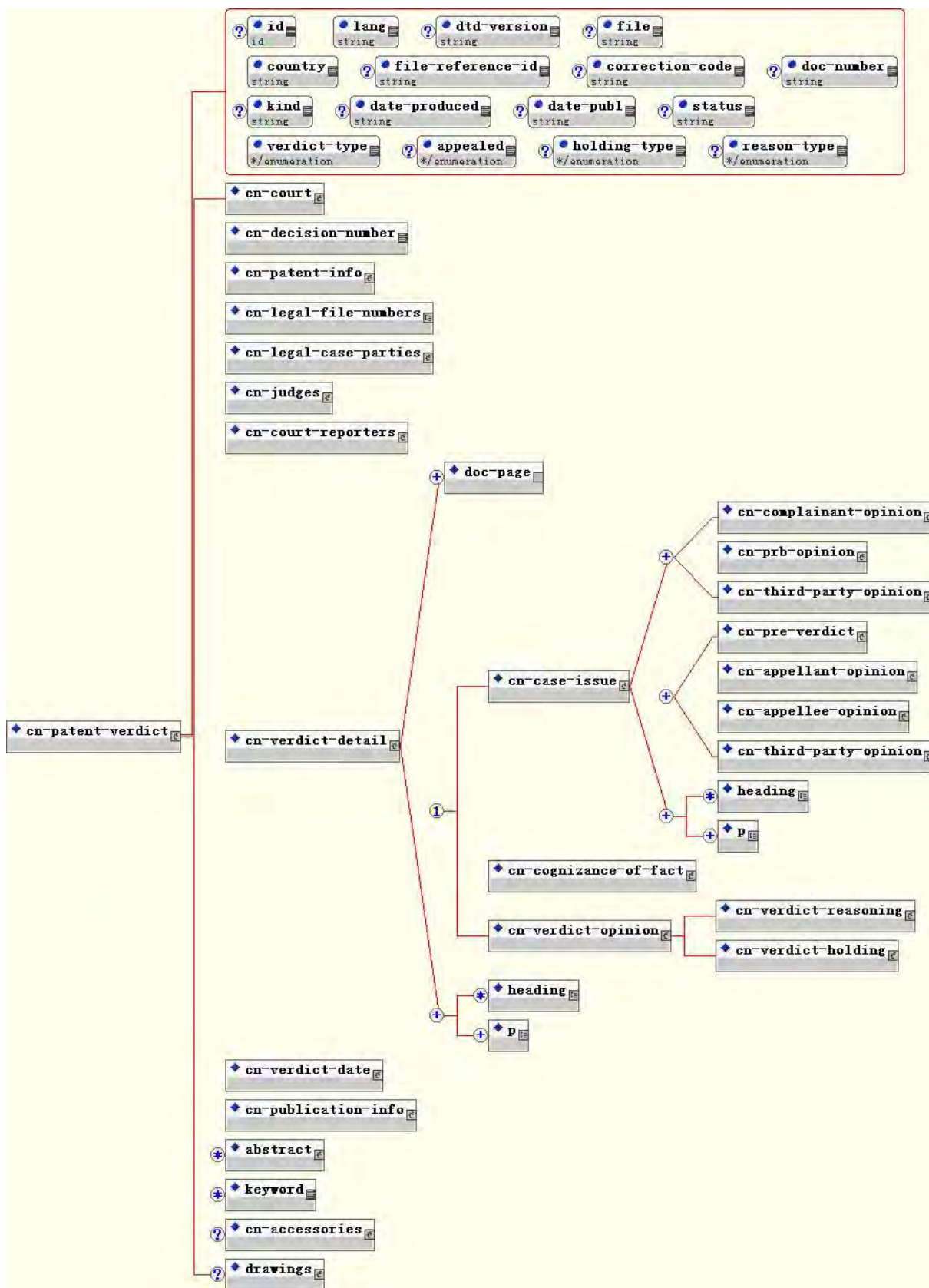


图 2 司法判决文件的基本构成

根元素 cn-patent-verdict 的属性 verdict-type 指明了该判决书是一审判决 (first-instance) 还是二审判决 (second-instance)。

主要记录了以下基本数据

- ◇ 法院法庭的基本信息 (cn-court);
- ◇ 判决书号 (cn-legal-file-number);
- ◇ 复审决定号/无效决定号 (cn-decision-number);
- ◇ 相关专利的信息 (cn-patent-info);
- ◇ 当事人 (cn-legal-parties), 包括原告 (cn-legal-plaintiffs)、被告 (cn-legal-defendants) 以及相关第三人 (cn-legal-third-parties), 每个当事人还可以有律师;
- ◇ 判决书内容 (cn-verdict-detail), 它可以由多页扫描文件 (doc-page) 构成, 或由多个可以有标题 (heading) 的段落 (p) 构成, 或由案由 (cn-case-issue)、事实的认定 (cn-cognizance-of-fact) 和判决内容 (cn-verdict-opinion) 三部分构成。其中案由 (cn-case-issue) 对于一审判决包括以下几部分
 - 原告意见 (cn-complainant-opinion)、
 - 复审委员会的意见 (cn-prb-opinion)、
 - 相关第三人的意见 (cn-related-litigant-opinion);
 对于二审判决包括以下几部分
 - 一审判决情况 (cn-pre-verdict)、
 - 请求人的意见 (cn-appealer-opinion)、
 - 被请求人的意见 (cn-appellee-opinion)、
 - 相关第三人的意见 (cn-related-litigant-opinion);
- ◇ 法官 (cn-judges);
- ◇ 书记员 (cn-court-reporters);
- ◇ 判决日期 (cn-verdict-date);
- ◇ 判决书附件 (cn-accessories);
- ◇ 相关专利公告信息 (cn-publication-info);
- ◇ 关键词 (keyword);
- ◇ 附图 (drawings)。

3.3 相关专利信息的结构

在复审委员会审查决定和司法判决文件中, 都会涉及专利案卷的相关信息 (cn-patent-info), 这些信息的表示主要参考了WIPO ST.36¹标准中公共元素 (ICE) 的定义。主要描述了专利案卷的申请信息 (application-reference)、公开信息 (publication-reference)、发明名称 (invention-title)、申请人信息 (applicants) 或专利权人信息 (assignees) 以及分类信息。分类信息主要包括国际分类号——第七版和第七版以前的IPC (classification-ipc)、第八版IPC (classification-ipcr), 洛迦诺分类号 (classification-locarno), 国家分类 (classification-national), 十进制分类 (classification-udc)。专利案卷的相关信息 (cn-patent-info) 的基本结构如图 3 所示。

¹ WIPO 标准 ST.36 《用于 XML 处理专利信息的建议》(2005 年 9 月版)

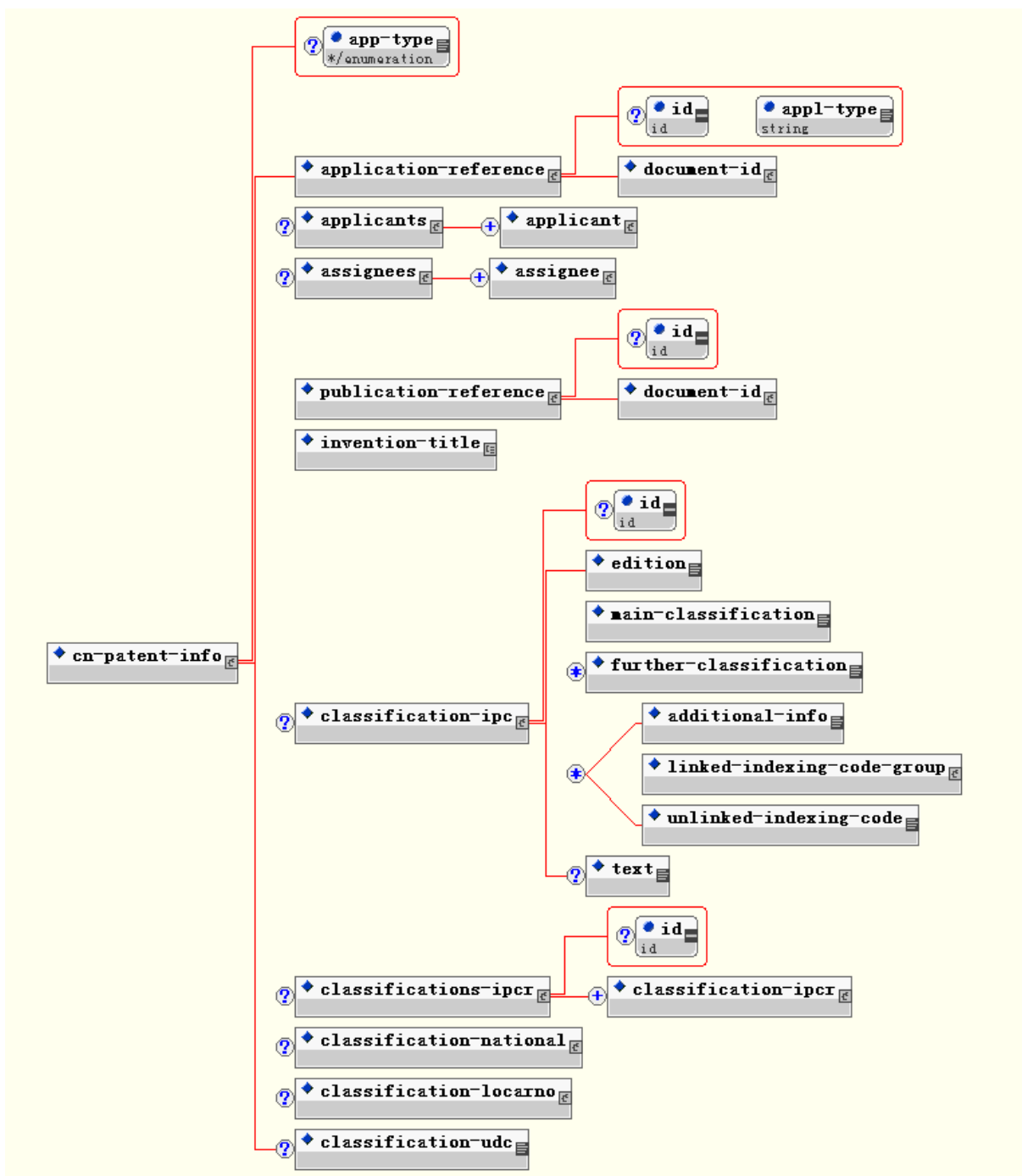


图 3 专利案卷的相关信息的基本结构

3.4 证据的结构

证据 (cn-evidence) 是复审委员会审查决定和司法判决的重要元素, 它可以出现在审查决定或司法判决正文之中, 并且可以对证据进行引用 (cn-evidence-reference)。证据本身是一段文字, 可以由各种具有特征的文字构成。证据的构成如图 4 所示

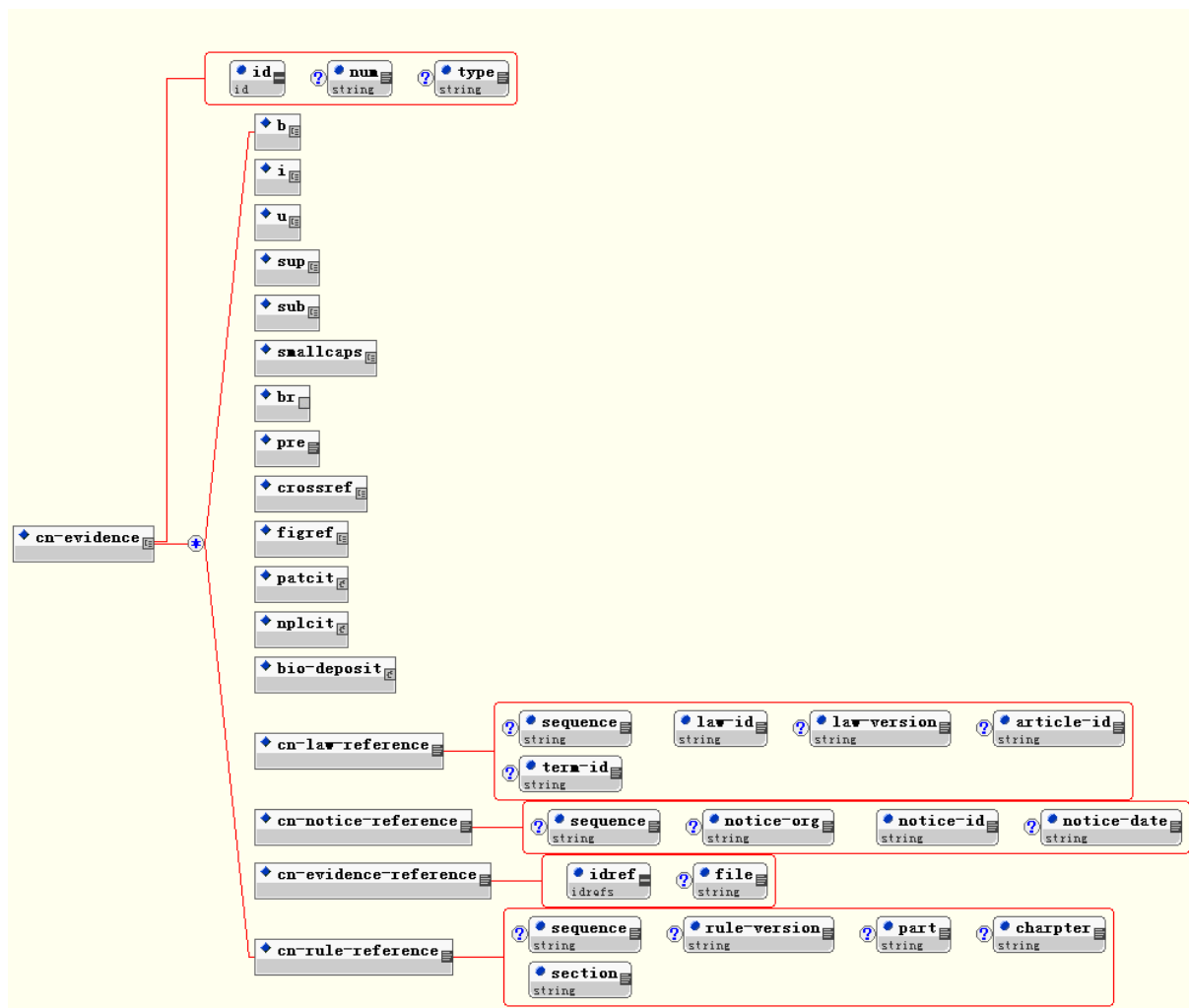


图 4 证据的结构

4 电子数据格式的基本要求

4.1 XML标准

ZC 0012 的本部分的文档实例需要符合《可扩展标记语言 (XML) 1.0 (第二版)》(*Extensible Markup Language (XML) 1.0 (Second Edition)*) 中定义的格式要求。

4.2 字符集

ZC 0012 的本部分的文档实例应当采用 UTF-8 字符集，即在每一个文档的第一行，应当出现 `<?xml version='1.0' encoding='utf-8' ?>`

对于 UTF-8² 中且 wipo.ent 中未定义的字符，应当通过 sipo.ent 进行定义。

4.3 属性

4.3.1 id

id 属性可以用来标识文档中的特定对象。对于不同类型的对象，建议使用不同的前缀和后缀进行区分。例如，段落的各个元素的属性可以考虑依次设置为“p0001”，“p0002”... “p0101”等。

² UTF8 is a code page that uses a string of bytes to represent a 16-bit Unicode string where ASCII text (<=U+007F) remains unchanged as a single byte, U+0080-07FF (including Latin, Greek, Cyrillic, Hebrew, and Arabic) is converted to a 2-byte sequence, and U+0800-FFFF (Chinese, Japanese, Korean, and others) becomes a 3-byte sequence.

4.3.2 idref

可以通过 idref 属性来引用文档中的特定的具有 id 属性的对象，如权利要求 claim-ref、交叉引用 crossref、附图引用 figref 等。应保证 idref 仅作为文档中特定对象的引用使用，不应用作其他用途。

4.4 文档实例

4.4.1 有效性

文档实例应当是有效的，即格式符合 XML v1.1 标准的要求。

4.4.2 合法性

文档实例应当是合法的。文档实例中必须通过!DOCTYPE 指名文档的类型。如

```
<?xml version='1.1' encoding='UTF-8'?>
<!DOCTYPE cn-appeal-decision SYSTEM 'cn-appeal-decision-v1-0.dtd'>
```

并且文档实例应当符合 DTD 的要求。

4.4.3 版本标注

文档实例应当通过根元素的相关属性指名文档使用的 DTD 的版本。如

```
<cn-appeal-decision dtd-version='cn-appeal-decision-v1-1.dtd'>
```

或

```
<cn-appeal-decision dtd-version='1.1'>
```

4.4.4 元素内容

文档中的元素应当尽可能的避免不必要的空格和回车等字符。如应当使用

```
<postcode>20231</postcode>
```

而不要使用

```
<postcode> 20231 </postcode>.
```

4.5 外部实体

文档实例中可以引用 ST.36 中规定的外部实体，包括 TIFF、JPEG、ST.33 定义的传真数据、ST.35 定义的混合模式数据、PDF 以及表格文件等。

5 相关标准的参照

ZC 0007-2004 《专利文献号标准》(2004年1月版)

ZC 0008-2004 《专利文献种类标识代码标准》(2004年1月版)

WIPO ST.2 《采用公历标示日期的标准方法》(1997年12月版)

WIPO ST.3 《用双字母代码表示国家、其他实体及政府间组织的推荐标准》(2004年12月版)

WIPO ST.9 《关于专利及补充保护证书的著录数据的建议》(2004年2月版)

WIPO ST.10/B 《著录项目数据的设计》(2003年6月版)

WIPO ST.10/C 《著录项目数据的表示》(2005年12月版)

WIPO ST.14 《在专利文献中列入引证的参考文献的建议》(2005年1月版)

WIPO ST.36 《用 XML 处理专利文献的建议》(2004年7月版)

ISO639: 1988 语种名称代码

6 ZC 0012 的本部分的发布与实施

6.1 ZC 0012 的本部分的发布

ZC 0012 的本部分于 2006 年 12 月 22 日发布。

6.2 ZC 0012 的本部分的实施

ZC 0012 的本部分于 2007 年 1 月 1 日施行。

6.3 ZC 0012 的本部分的改进

国家知识产权局标准化委员会对 ZC 0012 的本部分管理者提出的改进建议进行评审，如有必要，可以制定新标准代替 ZC 0012 的本部分。

7 附则

ZC 0012 的本部分由国家知识产权局负责解释。

附录 A
(规范性附录)
主要数据元素说明

A.1 自定义的元素**A.1.1 cn-appeal-decision**

复审、撤销复审或无效宣告请求的审查决定。

属性

appeal-type 指示出该决定是复审(reexamination)请求、撤销复审(opposition)请求还是无效宣告(invalidation)请求的审查决定;

decision 指示出该决定的基本情况,包括复审决定的维持原决定(affirmation)和撤销原决定(overrule),无效宣告的部分无效(part-invalidation)、全部无效(invalidation)和全部有效(maintain);

effective 指示出该决定是否生效。

A.1.2 cn-case-info

复审、撤销复审或无效宣告请求及其审查的基本信息。

A.1.3 cn-decision-number

复审或无效宣告的决定号,如第 4707 号

A.1.4 cn-decision-date

复审或无效宣告审查决定的决定日期,

A.1.5 cn-parties

复审、撤销复审或无效宣告请求的相关人信息,包括复审请求人、无效宣告请求人和被请求人以及撤销复审的请求人和被请求人

如果撤销复审请求的请求人(cn-appellant)是原专利权人,则不出现被请求人(cn-appellee)

A.1.6 cn-complainant

复审请求人的基本信息,

属性 sequence 指示了该请求人在请求人中的次序,如 sequence="1"

A.1.7 cn-requester

无效宣告请求人的基本信息,

属性 sequence 指示了该请求人在请求人中的次序,如 sequence="1"

A.1.8 cn-patentee

无效宣告被请求人的基本信息,

属性 sequence 指示了该被请求人在被请求人中的次序,如 sequence="1"

A.1.9 cn-appellant

撤销复审请求人的基本信息,

属性 sequence 指示了该请求人在请求人中的次序,如 sequence="1"

A.1.10 cn-appellee

撤销复审被请求人的基本信息

属性 sequence 指示了该请求人在请求人中的次序,如 sequence="1"

A.1.11 cn-examiners

复审审查员的基本信息

A.1.12 cn-examiner

单个复审审查员的信息。

属性

sequence 指示了该审查员在审查员中的次序, 如 sequence="1"

role 指示了该审查员在审查中的角色, 可以为主审(chief)或合议组组长(leader)或参审(member)

A. 1. 13 cn-patent-info

相关的专利案件的基本情况。

A. 1. 14 cn-accessories

附件清单

A. 1. 15 cn-accessory

单个附件的信息

属性

id 可用于文中交叉引用, 建议取值为 ax001, ax002, 等

doc-name 文件的名称

file-name 附件文件的文件名

size 附件文件的大小

date-produced 附件文件的日期, 格式为 YYYYMMDD

A. 1. 16 cn-decision-abstract

复审、撤销复审或无效宣告请求审查决定的摘要, 简要说明了决定的法律依据和决定的基本情况

A. 1. 17 cn-legal-basis

复审、撤销复审或无效宣告请求审查决定的法律依据, 通常为专利法条款的引用或专利局公告的引用

A. 1. 18 cn-main-points

复审、撤销复审或无效宣告请求审查决定的决定要点

A. 1. 19 cn-main-point

复审、撤销复审或无效宣告请求审查决定的决定要点

属性

id 可用于文中交叉引用, 建议取值为 mp001, mp002, 等

sequence 指示要点的次序, 如 sequence="1"

A. 1. 20 cn-decision-detail

复审、撤销复审或无效宣告请求审查决定的决定正文

A. 1. 21 cn-brief-history

案由中介绍案卷的基本情况、无效请求以及请求方提供的证据、审理的基本过程

A. 1. 22 cn-reasoning

决定的理由可以由多个章节构成, 每个章节由一个标题和一些列正文构成, 如证据认定、关于创造性等。要求能够直接定位特定章节, 但是章节种类并不确定。

A. 1. 23 cn-holding

决定由决定和司法提示构成。其中

无效请求决定主要包括维持有效、全部无效和部分无效三种。

复审决定通常只有对驳回决定的维持或撤销两种。

A. 1. 24 cn-law-reference

法律条款的引用

属性

sequence 指示法律条款引用出现的次序, 如 sequence="1"

law-id 指示特定的法律文本, 如 law-id="专利法"

law-version 指示法律的版本, 如 law-version="2005"

article-id 指示引用的法条, 如 article-id="23"

term-id 指示引用法条中的特定款项, 如 term-id="2"

例如对专利法第 22 条第 3 款的引用可表示为

```
<cn-law-reference law-id="专利法" article-id="22" term-id="3">
```

专利法第 22 条第 3 款

```
</cn-law-reference >
```

A. 1. 25 cn-notice-reference

对公告的引用

属性

sequence 指示公告引用出现的次序, 如 sequence="1"

notice-org 指示发布公告的单位

notice-id 指示公告号, 如 notice-id="47"

notice-date 指示公告的公布日期

例如对专利局第 27 号公告的引用可表示为

```
<cn-notice-reference notice-id="27">
```

专利局第 27 号公告

```
</cn-notice-reference>
```

A. 1. 26 cn-evidence

证据

属性

id 证据的唯一标识, 建议取值为 ev001, ev002, 等

num 证据编号, 如证据一的 num="1"

A. 1. 27 cn-evidence-reference

对证据的引用

属性

idref 证据的标识

file 证据出现的文件的文件名

A. 1. 28 cn-patent-verdict

司法判决,

属性

verdict-type 指示了该判决是初审 (first-instance) 还是终审 (second-instance)

appealed 指示了是否对该判决进行了上诉

holding-type 指示了该判决是维持 (reaffirm) 或撤销 (overrule) 原决定

reason-type 指示了该诉讼是由于行政程序问题 (procedure) 还是实体问题 (substance) 引起的

A. 1. 29 cn-court

法庭, 如北京市第一中级人民法院行政庭可表示为

```
<cn-court>
```

```
<cn-courthouse level="zhongji" area="beijing" num="1">
```

北京市第一中级人民法院

```
</cn-courthouse>
```

```
< cn-subbranch section="行政">
```

行政庭

```
</cn-subbranch>
```

```
</cn-court>
```

A. 1. 30 cn-courthouse

法院

属性

level 指示了该法院的级别, 初级(district)、中级(appeal)、高级(high)和最高(supreme)

area 指示了该法院的地区, 如北京

num 指示了该法院的编号

A. 1. 31 cn-subbranch

审判庭

属性 section 指示了该审判庭审理的案卷范围

A. 1. 32 cn-legal-file-numbers

判决书, 如 2003 年第 206、270 号, 表示为

```
<cn-legal-file-numbers>
```

```
<cn-legal-file-number year="2003" num="206" section="行政庭">
```

```
</cn-legal-file-number>
```

```
<cn-legal-file-number year="2003" num="207" section="行政庭">
```

```
</cn-legal-file-number>
```

```
</cn-legal-file-numbers>
```

A. 1. 33 cn-legal-file-number

判决书

A. 1. 34 cn-legal-parties

当事人, 包括原告、被告和相关第三人

A. 1. 35 cn-legal-plaintiffs

原告

A. 1. 36 cn-legal-plaintiff

原告

属性

id 原告的唯一标识, 建议的取值为 acs001,acs002 等

sequence 原告的次序, 如 sequence="1"

A. 1. 37 cn-legal-defendants

被告

A. 1. 38 cn-legal-defendant

被告

属性

id 被告的唯一标识, 建议的取值为 dft001,dft002 等

sequence 被告的次序, 如 sequence="1"

A. 1. 38 cn-legal-third-parties

相关第三人

A. 1. 40 cn-legal-third-party

相关第三人

属性

id 相关第三人的唯一标识, 建议的取值为 rlt001,rlt002 等

sequence 相关第三人的次序, 如 sequence="1"

A. 1. 41 cn-legal-attorneys

法律代理人

A. 1. 42 cn-legal-attorney

法律代理人

属性

id 法律代理人的唯一标识, 建议的取值为 agt001,agt002 等

sequence 法律代理人的次序, 如 sequence="1"

A. 1. 43 cn-legal-litigant

当事人

A. 1. 44 cn-representative

代表人

A. 1. 45 cn-judges

审判员信息

A. 1. 46 cn-judge

审判员

属性

sequence 指示了审判员出现的次序, 如 sequence="1"

chief指示了该审判员是否为审判长, 缺省值为 no

deputy 指示了该审判员是否为代理审判员, 缺省值为 no

assistant 指示了该审判员是否为助理审判员, 缺省值为 no

A. 1. 47 cn-court-reporters

书记员

A. 1. 48 cn-court-reporter

书记员

属性

sequence 指示了书记员出现的次序, 如 sequence="1"

A. 1. 49 cn-verdict-detail

判决的正文

A. 1. 50 cn-case-issue

案由

A. 1. 51 cn-complainant-opinion

原告意见

A. 1. 52 cn-prb-opinion

复审的意见

A. 1. 53 cn-pre-verdict

一审判决 (二审中引用)

A. 1. 54 cn-appellant-opinion

上诉人的意见

A. 1. 55 cn-appellee-opinion

被上诉人的意见

A. 1. 56 cn-third-party-opinion

第三人意见

A. 1. 57 cn-cognizance-of-fact

事实的认定

A. 1. 58 cn-verdict-opinion

判决的意见

A. 1. 59 cn-verdict-reasoning

判决的理由

A. 1. 60 `cn-verdict-holding`

判决决定

A. 1. 61 `cn-verdict-date`

判决日期

A. 1. 62 `cn-province`

中国的省份

A. 1. 63 `cn-pub-vol`

公告卷期

A. 1. 64 `cn-publication-info`

公告信息

A. 2 引用 ST. 36 中的元素（部分）

A. 2. 1 专利数据元素

A. 2. 1. 1 `document-id`

专利文档标识. 见 WIPO ST.14, 用国家、文献号、文献类型、时间来标识一个专利案卷

A. 2. 1. 2 `application-reference`

对专利申请的引用: 申请号, 国家(INID 21, ST.32:B210)

A. 2. 1. 3 `publication-reference`

对专利公开的引用: 公开号、公开日等(INID 11, ST.32:B110)

A. 2. 1. 4 `applicant`

申请人信息(INID 71, ST.32:B710), 属性 `sequence` 表示该申请人在申请人列表中的位置, `app-type` 指明申请人是否就是发明人, `designation` 说明了权力指定的区域要求

A. 2. 1. 5 `assignee`

专利权人信息(INID 73 ST.32: B730)

A. 2. 1. 6 `agent`

代理人信息

A. 2. 1. 7 `invention-title`

发明创造名称,(INID 54, ST.32:B540/B542)

属性 `id` 的取值建议为 `invt`, `lang` 指示标题的语言, 用 WIPO ST.3 表示

A. 2. 1. 8 `classification-ipc`

国际分类号 IPC(INID 51, ST.32:B510), 该元素表示 IPC7 版以前 (含 IPC7) 的 IPC。包括 IPC 的版本、主分类、其他分类、附加情报以及引得码等信息。

A. 2. 1. 9 `classification-ipc8`

国际分类号 IPC(INID 51, ST.32:B510), 该元素表示 IPC8 版的 IPC。包括 IPC 的版本(用日期指示)、IPC 的类别 (Advance 或 core)、IPC 代码、分类生效日等。

A. 2. 1. 10 `classification-national`

国家分类(INID 52, S T.32:B520)。包括国家分类的版本、主分类、其他分类、附加情报以及引得码等信息。

A. 2. 1. 11 `classification-locarno`

洛迦诺分类

A. 2. 1. 12 `classification-udc`

十进制分类

A. 2. 2 文章中的结构元素

A. 2. 2. 1 doc-page

文档页，主要使用在所有或者大部分的数据都是以图像格式或是诸如 PDF 等格式存储的情况下。
"img"也可以是整个文档页，如附图。

建议属性 id 取值为 docp01, docp02 等。

A. 2. 2. 2 heading

标题文本; 建议 id 取值为 h01, h02 等，属性 level 表示标题的层次

A. 2. 2. 3 p

段落

属性 id 建议取值为 p01, p02 等

属性 num 建议取值为 001, 002 等

注意：段落可以重复出现在说明书以外的部分，如摘要之中，在这种情况下 id 用 p0001a;

如在更正后的权项中，id 用 p0001ac; 诸如此类。

A. 2. 2. 4 img

图像数据

图像数据可以是绘画、图形或者复杂的元素（数学式、表格、化学式）等

建议属性取值:

id = i01, i02 等

he, wi = "11" - 以毫米为单位 - 高, 宽;

file = 文件名和位置;

label - 未使用;

alt = 图像不显示时的替代文字

img-content = 缺省为 drawing;

img-format = 图像格式, 通常为 tiff、st33 或 st35

orientation = 图像的方向 (portrait | landscape). 缺省为 portrait

inline = (yes | no). 图像是否为行内图. 缺省为 no

A. 2. 2. 5 tables

表格, 可以是图像数据, 也可以是根据 OASIS Exchange model 编制的表格

属性 id 建议取值为 tabl01, tabl02 等

A. 2. 2. 6 maths

数学公式

可以使用图像数据表示, 也可以使用根据 mathml 的 XML 结构数据

属性 id 建议取值为 math01, math02 等

A. 2. 2. 7 chemistry

化学公式、方程式、结构式等

可以作为图像数据处理, 也可以使用外部独立化学式 (使用 chemML、CML 等 XML 结构)

属性 id 建议取值为 chem01, chem02 等

A. 2. 2. 8 bio-deposit

微生物样本保藏有关信息

属性 id 建议取值为 biod0001, biod0002 等

A. 2. 3 引用**A. 2. 3. 1 figref**

对一幅图形/图像的引用

如 "...as shown in <figref idref='f0001'>figure1</figref>..."

A. 2. 3. 2 crossref

对具有 id 属性的其他元素的引用

A.2.3.3 citation

对其他文档的引用，包括专利文献(patcit)或非专利文献(nplcit)等
属性 id 建议的取值为'cit0001', 'cit0002'等

A.2.3.4 patcit

专利引用文献，例如

```
<patcit id='pcit0001' dnum='US4793675A' dnum-type='publication
number'>
  <document-id>
    <country>US</country>
    <doc-number>4793675</doc-number>
    <kind>A</kind>
    <name>Handa</name>
    <date>19881227</date>
  </document-id>
</patcit>
```

A.2.3.5 nplcit

非专利文献的引用也可以全部用无结构的文本来描述，但是建议不要这样做，建议采用以下根据 ST.14 和 IDO690 标准定义的高度格式化的描述方式。

这部分 DTD 使用了许多不同来源的元素名、DTD 结构和引用，包括：

AACR2 / MARC

ISO 12083 - 电子手稿标记 DTD

美国出版联盟 (Association of American Publishers —— AAP) Z39.59 DTD

欧洲 SGML 工作组 (European Working Group for SGML —— EWS) MAJOUR DTD

SuperJournal 全文 DTD www.superjournal.ac.uk/sj

Elsevier DTD

Medline DTD (NLM)

属性的建议：

id - ncit1, ncit2, etc

num - 0001, 0002

type :

A - 不属于特殊类型的摘要引用 Abstract citation of no specific kind

B - 书籍引用 Book citation

I - 生物摘要引用 Biological abstract citation

C - 化学摘要引用 Chemical abstracts citation

E - 数据库引用 Database citation

D - 德文特引用 Derwent citation

P - 非专利文献中引用的专利 Patent cited within NPL group

J - 日本引用的专利摘要 Patent Abstracts of Japan citation (REC 067)

S - 期刊杂志引用 Serial / Journal / Periodical citation

W - 互联网检索引用 World Wide Web / Internet search citation

medium - 介质类型，如 CD (CD-ROM), MT (磁带 Magnetic Tape), DISK, ONLINE

file - 本地系统中的文件名，如 EPO 中的 XP number

url - 连接到该文献的 URL

A. 2. 3. 6 article

对论文的引用

标记的顺序符合 WIPO ST.14 / ISO 690 排版的要求

例

DROP, J.G. Integrated Circuit Personalization at the Module Level. IBM Tech. Dis. Bull. October 1974, Vol. 17, No. 5, p. 1344 and 1345.
[XPnnnnnnnnnnn].

表示为

```
<nplcit id='ncit1' num='0012' type='S' file='XP1234456'>
  <article>
    <author>
      <name>DROP, J.G.</name>
    </author>
    <atl>Integrated Circuit Personalization at the Module
Level</atl>
    <serial>
      <sertitle>IBM Tech. Dis. Bull.</sertitle>
      <pubdate>19741000</pubdate>
      <vid>17</vid>
      <ino>5</ino>
    </serial>
    <location>
      <pp>1344 and 1345</pp>
    </location>
    <refno id='XP1'>XP1234456</refno>
  </article>
</nplcit>
```

A. 2. 3. 7 book

对图书的引用

按照 WIPO ST.14 、 ISO 690 以及 AACR2 rules 的排版要求排序

例

WALTON, Herrmann. Microwave quantum theory.
London : Sweet and Maxwell, 1973. ISBN 0123456789.
Vol.2, p. 138 to 192.

表示为

```
<nplcit id='ncit12' num='0013' type='b'>
  <book>
    <author>
      <name>WALTON, Herrman</name>
    </author>
    <book-title>Microwave quantum theory</book-title>
    <imprint>
      <address>
        <text>London</text>
```

```

    </address>
    <name>Sweet and Maxwell</name>
    <pubdate>19730000</pubdate>
  </imprint>
  <location>
    <pp>138 to 192</pp>
  </location>
  <isbn>0-1234-568-9</isbn>
</book>
</nplcit>

```

A. 2. 3. 8 online

网上电子文件有关信息

例 1

Kirk-Othmer Encyclopedia of Chemical Technology [online].

3rd ed. New York : John Wiley, 1984 [cited 3 January 1990].

Available from: DIALOG Information Services, Palo Alto (Calif.).

表示为

```

<nplcit id='ncit1' num='0001' type='E' medium='online'>
  <online>
    <online-title>Kirk-Othmer Encyclopedia of Chemical Technology
  </online-title>
    <edition>3rd ed.</edition>
    <imprint>
      <address>
        <text>New York</text>
      </address>
      <name>John Wiley</name>
      <pubdate>19840000</pubdate>
    </imprint>
    <avail>dialog information services, palo alto (calif.).</avail>
    <datecit>
      <date>19900103</date>
    </datecit>
  </online>
</nplcit>

```

例 2

* Article on Internet:

Clark, Carol. On the Threshold of a Brave New World.

In Blueprint of the Body [online].

CNN.com, 2000. [cited 24 August 2000;10:25 EST]. In-depth specials.

Available from: [<http://www.cnn.com/SPECIALS/2000/genome/story/overview/>]

表示为

```

<nplcit id='ncit1' num='0002' type='E' medium='online'>
  <online>

```

```

<author>
  <name>Clark, Carol</name>
</author>
<online-title>On the Threshold of a Brave New
World</online-title>
<imprint>
  <name>CNN.com, 2000</name>
</imprint>
<series>
  <text>In-depth specials</text>
</series>

<avail>http://www.cnn.com/SPECIALS/2000/genome/story/</avail>
  <datecit>
    <date>20000824; 10:25 est</date>
  </datecit>
</online>
</nplcit>

```

例 3

* Personal communication (e-mail)

Thacker, Jane. MPEG-21 project stream on digital item identification [online].

Message to: [iso.tc46.sc9@nlc-bnc.ca]. 3 October 2000; 13:33 EST [cited 6
October 2000; 13:10 EST].

Message-ID: [002f01c02d60\$051a64a0\$22a2580c@vaio]. Personal communication.

表示为

```

<nplcit id='ncit3' num='0003' type='E' medium='online'>
  <online>
    <author>
      <name>Thacker, Jane</name>
    </author>
    <online-title>MPEG-21 project stream on digital item
identification
    </online-title>
    <subname>
      <name>Message to: <iso.tc46.sc9@nlc-bnc.ca></name>
    </subname>
    <pubdate>3 October 2000; 13:33 EST</pubdate>
    <notes>Personal communication</notes>
    <avail>Message-ID:
<002f01c02d60$051a64a0$22a2580c@vaio></avail>
    <datecit><date>6 october 2000; 13:10 EST</date></datecit>
  </online>
</nplcit>

```


A. 2. 4 格式表示**A. 2. 4. 1 b**

粗体

A. 2. 4. 2 i

斜体

A. 2. 4. 3 u

下划线: 缺省为单线 single

A. 2. 4. 4 sup

上标

A. 2. 4. 5 sub

下标

A. 2. 4. 6 smallcaps

小的大写字母

A. 2. 4. 7 dl

定义(术语)列表, 建议 id 取值为 dli01, dli02 等

A. 2. 4. 8 dd

定义的内容(定义列表中使用)

A. 2. 4. 9 dt

被定义的术语, 属性 id 建议取值为 dtrm01, dtrm02 等

A. 2. 4. 10 ol

有序列表:

属性'ol-style' - 建议值及含义如下:

1	阿拉伯数字	1, 2, 3, ...
a	小写字母	a, b, c, ...
A	大写字母	A, B, C, ...
i	小写罗马字母	i, ii, iii, ...
I	大写罗马字母	I, II, III, ...

A. 2. 4. 11 li

列表表项, 属性 id 建议取值为 list01, list02 等

A. 2. 4. 12 ul

无序列表

属性 list-style 可以为空, 缺省为'bullets'

属性 id 建议取值为 ulis01, ulis02 等

A. 2. 4. 13 pre

保持原有格式(包括换行、空格等), 属性 listing-type 表示了该结构的内容是什么数据
如基因序列片断、程序清单等

附录 B

(规范性附录)

cn-appeal-decision-v1-0.dtd

<?xml version='1.0' encoding='UTF-8' ?>

<!ENTITY % name_group "((name | (prefix? , (last-name | orgname) , first-name? , middle-name? , suffix? , iid? , role? , orgname? , department? , synonym*)) , registered-number?)">

<!ENTITY % address_group "((address-1? , address-2? , address-3? , mailcode? , po-box? , room? , address-floor? , building? , street? , city? , county? , state? , postcode? , country) | text)">

<!--

```
*****
* cn-appeal-decision v1.0 20 06 FEBRUARY *
*****
* PUBLIC "-//CN//APPEAL DECISION 1.0//EN" "cn-appeal-decision-v1-0.dtd" *
*****
* http://www.sipo.gov.cn/standards/xml/cn-appeal-decision-v1-0.dtd *
*****
* revision history *
*****
February 2006
..released version number as v1.0
*****
```

-->

<!--

```
*****
* SECTION I - DECLARATION, ENT. REFS, ISO sets, etc *
*****
```

-->

<!--

to include mathml2.dtd change MATHML2_DTD value to "INCLUDE", change
MATH_PLACEHOLDER value to "IGNORE", the same for the TABLE_DTD and
TABLE_PLACEHOLDER

INCLUDE

IGNORE

-->

<!ENTITY % UNICODE_PLANE1D_ESCAPE "IGNORE">

<!ENTITY % WIPO_ENT "IGNORE">

```

<!ENTITY % SIPO_ENT "IGNORE">
<!ENTITY % MATHML2_DTD "IGNORE">
<!ENTITY % TABLE_DTD "IGNORE">

<!ENTITY % MATH_PLACEHOLDER "INCLUDE">
<!ENTITY % TABLE_PLACEHOLDER "INCLUDE">

<![%UNICODE_PLANE1D_ESCAPE; [
  <!ENTITY % plane1D  "&#38;#xE">
]]>
<![%WIPO_ENT;[

<!--
import character entity set.  D ownload from:
  http://pcteasy.wipo.int/efiling_standards/schemaDocs/wipo.ent

Note that nsgmls-based parsers (SP, Near & Far Designer, etc.)
may not be able to process this file for reasons described below
in MathML comments.
-->
<!ENTITY % wipo PUBLIC "-//WIPO//ENTITIES WIPO 1.0//EN" "wipo.ent">
%wipo;
]]>

<![%SIPO_ENT;[

<!--
import character entity set.  Download from:
  http://www.sipo.gov.cn/standards/xml/sipo.ent
-->
<!ENTITY % sipo PUBLIC "-//SIPO//ENTITIES SIPO 1.0//ZH" "sipo.ent">
%sipo;
]]>

<!--
*****
* INCLUDE COMPONENT DTDS (MATHML, OASIS EXCHANGE TABLE MODEL
*
*****
-->

<![%MATHML2_DTD; [

```

```
<!--
```

DTD MathML2: maintained by W3C. Download from:
<http://www.w3.org/TR/MathML2/DTD-MathML-20010221.zip>

If using nsgmls-based parser (SP, Near & Far Designer, etc.)
 Uncomment 'mathml-charent-module' switch below or replace the Referenced
 MathML2 DTD with the version downloadable from:
<http://www.w3.org/Math/DTD/dtd-sp.zip>

This notice copied from: <http://www.w3.org/Math/DTD/>

"DTD for nsgmls

Some systems (including the popular nsgmls parser) may not be able to process files using 'plane 1' characters which have Unicode numbers higher than #xFFFF. The versions of the DTD provided here incorporate the modifications mentioned above, but the high characters are replaced by the equivalent mchar construct <mchar name="..." /> this allows the DTD to be read and for MathML files to be validated using such systems."

```
-->
```

```
<!--
```

```
ENTITY % mathml-charent.module "IGNORE"
```

```
-->
```

```
<!ENTITY % MATHML.prefixed "IGNORE">
```

```
<!ENTITY % MATHML.xmlns "">
```

```
<!--
```

```
import MathML2 dtd
```

```
-->
```

```
<!ENTITY % mathml2 PUBLIC "-//W3C//DTD MathML 2.0//EN" "mathml2.dtd">
```

```
%mathml2;
```

```
]]>
```

```
<![%TABLE_DTD; [
```

```
<!--
```

DTD OASIS Open XML Exchange Table Model.
 Maintained by OASIS; download from:
<http://oasis-open.org/specs/soextblx.dtd>
 Note that the FPI in soextblx.dtd refers to itself as 'calstblx'.
 That convention has been followed here.

```
-->
```

```
<!--
```

```

    create content for title element in table
-->
<!ENTITY % title "<!ELEMENT title (#PCDATA | b | i | u | sup | sub | smallcaps)* >">
%title;

<!--
    override OASIS Exchange <entry> model
-->
<!ENTITY % tbl.entry.mdl "(#PCDATA | b | i | u | sup | sub | smallcaps | br | patcit | nplcit | bio-deposit |
crossref | img | dl | ul | ol | chemistry | maths | cn-law-reference | cn-notice-reference | cn-rule-reference |
cn-evidence-reference | cn-evidence | cn-accessory)* ">

<!--
    import OASIS Exchange model
-->
<!ENTITY % calstblx PUBLIC "-//OASIS//DTD XML Exchange Table Model 19990315//EN"
                "soextblx.dtd">
<!ENTITY % yesorno  "NMTOKEN" >
<!ENTITY % tbl.table.att  " pgwide  % yesorno;  #I  IMPLIED
                        orient    ( port | land) #I IMPLIED
                        tabstyle  N MTOKEN          # IMPLIED">
%calstblx;
]]>

<![%MATH_PLACEHOLDER; [

<!--
    (PLACEHOLDER:w3c math dtd)
-->
<!ELEMENT math (#PCDATA)>
]]>

<![%TABLE_PLACEHOLDER; [

<!--
    (PLACEHOLDER:cals table dtd)
-->
<!ELEMENT table (#PCDATA)>
]]>

<!--
*****
* SECTION II - ELEMENTS defined by SIPO *
*****

```

-->

<!--

复审、撤销复审、撤销复审或无效宣告请求的审查决定。

属性

appeal-type 指示出该决定是复审(reexamination)请求、撤销复审(opposition)请求还是无效宣告(invalidation)请求的审查决定

decision 指示出该决定的基本情况,包括复审决定的维持原决定(affirmation)和撤销原决定(overrule),

无效宣告的部分无效(part-invalidation)、全部无效(invalidation)和全部有效(maintain),

effective 指示出该决定是否生效。

-->

<!ELEMENT cn-appeal-decision (cn-case-info , cn-decision-detail)>

<!ATTLIST cn-appeal-decision

id	ID	#IMPLIED
lang	C DATA	#REQUIRED
dtd-version	CDATA	#IMPLIED
file	C DATA	#IMPLIED
country	CDATA	#REQUIRED
file-reference-id	CDATA	#IMPLIED
correction-code	CDATA	#IMPLIED
doc-number	CDATA	#IMPLIED
kind	C DATA	#IMPLIED
date-produced	C DATA	#IMPLIED
date-publ	C DATA	#IMPLIED
status	CDATA	#IMPLIED
appeal-type	(reexamination invalidation opposition)	#REQUIRED
decision	(invalidation part-invalidation maintain overrule)	#REQUIRED
effective	(yes no)	#IMPLIED

>

<!--

复审、撤销复审、撤销复审或无效宣告请求及其审查的基本信息。

-->

<!ELEMENT cn-case-info (cn-decision-number, cn-decision-date , cn-patent-info , c n-parties , a gents?, cn-examiners, cn-publication-info, cn-accessories?, cn-decision-abstract, abstract*, keyword*, drawings?)>

<!--

复审、撤销复审或无效宣告的决定号, 如如第 4707 号

-->

<!ELEMENT cn-decision-number (#PCDATA)>

<!--

复审、撤销复审或无效宣告审查决定的决定日期,

-->

<!ELEMENT cn-decision-date (date)>

<!--

复审、撤销复审或无效宣告请求的相关人信息，包括复审理请求人、无效宣告请求人(cn-requester)和被请求人(cn-patentee)以及撤销复审的请求人和被请求人

如果撤销复审请求的请求人(cn-appellant)是原专利权人，则不出现被请求人(cn-appellee)

-->

<!ELEMENT cn-parties ((cn-complainant+ | cn-appellant+ | cn-requester+) , (cn-patentee+ | cn-appellee*))>

<!--

复审理请求人的基本信息，

属性 sequence 指示了该请求人在请求人中的次序，如 sequence="1"

-->

<!ELEMENT cn-complainant (text |(addressbook+, nationality?, cn-province?))+>

<!ATTLIST cn-complainant s equence CDATA #REQUIRED >

<!--

无效宣告请求人的基本信息，

属性 sequence 指示了该请求人在请求人中的次序，如 sequence="1"

-->

<!ELEMENT cn-requester (text |(addressbook+, nationality?, cn-province?))+>

<!ATTLIST cn-requester s equence CDATA #REQUIRED >

<!--

无效宣告被请求人的基本信息，

属性 sequence 指示了该被请求人在被请求人中的次序，如 sequence="1"

-->

<!ELEMENT cn-patentee (text |(addressbook+, nationality?, cn-province?))+>

<!ATTLIST cn-patentee s equence CDATA #REQUIRED >

<!--

撤销复审理请求人的基本信息，

属性 sequence 指示了该请求人在请求人中的次序，如 sequence="1"

-->

<!ELEMENT cn-appellant (text |(addressbook+, nationality?, cn-province?))+>

<!ATTLIST cn-appellant s equence CDATA #REQUIRED >

<!--

撤销复审被请求人的基本信息，

属性 sequence 指示了该被请求人在被请求人中的次序，如 sequence="1"

-->

<!ELEMENT cn-appellee (text |(addressbook+, nationality?, cn-province?))+>

<!ATTLIST cn-appellee s equence CDATA #REQUIRED >

```

<!--
复审审查员的基本信息
-->
<!ELEMENT cn-examiners (cn-examiner+)>

<!--
单个复审审查员的信息。
属性
sequence 指示了该审查员在审查员中的次序, 如 sequence="1"
role 指示了该审查员在审查中的角色, 可以为主审(chief)或合议组组长(leader)或参审(member)
-->
<!ELEMENT cn-examiner (%name_group; , electronic-signature?)>
<!ATTLIST cn-examiner
    sequence CDATA #REQUIRED
    role (chief | leader | member) #REQUIRED
>

<!--
复审或无效请求相关的专利案件的基本情况。
-->
<!ELEMENT cn-patent-info (application-reference , applicants?, assignees?, publication-reference,
invention-title,
    classification-ipc? , classifications-ipcr? , classification-national? , classification-locarno? ,
classification-udc?) >
<!ATTLIST cn-patent-info
    app-type (patent|utility|design|vlmi) #IMPLIED
>
<!--
附件清单
-->
<!ELEMENT cn-accessories (cn-accessory)+>

<!--
复审、撤销复审或无效宣告请求审查决定的摘要, 简要说明了决定的法律依据和决定的基本情况
-->
<!ELEMENT cn-decision-abstract (cn-legal-basis, cn-main-points)>

<!--
复审、撤销复审或无效宣告请求审查决定的法律依据, 通常为专利法条款的引用或专利局公告的引用
-->
<!ELEMENT cn-legal-basis (cn-law-reference | cn-notice-reference | cn-rule-reference)+ >

```


<!--

复审、撤销复审或无效宣告请求审查决定的决定要点

-->

<!ELEMENT cn-main-points (cn-main-point)+ >

<!--

复审、撤销复审或无效宣告请求审查决定的决定要点

属性

id 可用于文中交叉引用, 建议取值为 mp001, mp002, 等

sequence 指示要点的次序, 如 sequence="1"

-->

<!ELEMENT cn-main-point (p)+>

<!ATTLIST cn-main-point

id ID #IMPLIED

sequence CDATA #IMPLIED

>

<!--

复审、撤销复审或无效宣告请求审查决定的决定正文

-->

<!ELEMENT cn-decision-detail (doc-page+ | (cn-brief-history, cn-reasoning, cn-holding) | (heading*, p+)+)>

<!--

 案由中介绍案卷的基本情况、无效请求以及请求方提供的证据、审理的基本过程

-->

<!ELEMENT cn-brief-history (heading*, p+)+>

<!--

 决定的理由可以由多个章节构成, 每个章节由一个标题和一些列正文构成, 如证据认定、关于创造性等。

要求能够直接定位特定章节, 但是章节种类并不确定。

-->

<!ELEMENT cn-reasoning (heading*, p+)+>

<!--

 决定由决定和司法提示构成。其中

无效请求决定主要包括维持有效、全部无效和部分无效三种。

复审决定通常只有对驳回决定的维持或撤销两种。

-->

<!ELEMENT cn-holding (heading*, p+)+>

<!--

* SECTION III - ICEs referenced, defined in ST.36

*

-->

<!--

Information regarding Agents or common representatives

-->

<!ELEMENT agents (customer-number | agent+)>

<!--

Customer number for agents by office

-->

<!ELEMENT customer-number (#PCDATA)>

<!--

Agent or common representative (Rules 90.1, 90.2)

-->

<!ELEMENT agent (addressbook+)>

<!ATTLIST agent s equence CDATA # REQUIRED

rep-type (agent | attorney | common-representative) #REQUIRED >

<!--

Title of the Invention:

(INID 54, ST.32:B540/B542)

Preferably two to seven words when in English or translated into English and precise. (Rule 4.3)

Recommended id = 'invt'

发明创造名称,(INID 54, ST.32:B540/B542)

属性 id 的取值建议为 invt,lang 语言用 WIPO ST.3 表示

-->

<!ELEMENT invention-title (#PCDATA | b | i | u | sup | sub)*>

<!ATTLIST invention-title id I D # IMPLIED

lang CDATA #IMPLIED >

<!--

Applicants information:

At least one of the applicants named must be a resident or national of a PCT Contracting State for which the receiving Office acts.

申请人列表

-->

<!ELEMENT applicants (applicant+)>

<!--

Applicant information:
(INID 71, ST.32:B710)

attributes for applicant

sequence : sequence number of each applicant
e.g, sequence="1"

app-type : applicant type
app-type="applicant" : the applicant is only applicant
app-type="applicant-inventor" : the applicant is also inventor

designation: This person is applicant for the purpose of:

designation="all" : all designated states
designation="all-except-us": all designated states except US
designation="us-only" : US only
designation="as-indicated" : the states indicated in
designated-states element
under applicant element

单个申请人信息(INID 71, ST.32:B710)

-->

<!ELEMENT applicant (addressbook+ , nationality , residence , us-rights* , designated-states? , designated-states-as-inventor?)>

<!ATTLIST applicant sequence CDATA #REQUIRED
app-type (applicant | applicant-inventor) #REQUIRED
designation (all | all-except-us | us-only | as-indicated) #REQUIRED >

<!--

Grantee/assignee information.
(INID 73 ST.32: B730)
专利权人列表(INID 73 ST.32: B730)

-->

<!ELEMENT assignees (assignee+)>

<!--

Grantee/assignee information.
(INID 73, ST.32:B730)
单个专利权人信息(INID 73 ST.32: B730)

-->

<!ELEMENT assignee (%name_group; | addressbook)>

<!--

This person is successor to the rights of an inventor who is deceased, insane, or legally incapacitated, for the purposes of the designation of the United States of America

-->

<!ELEMENT us-rights (#PCDATA)>

<!ATTLIST us-rights to -dead-inventor CDATA #REQUIRED

kind	(heir
	heiress
	executor
	executrix
	estate
	legal-representative
	administrator
	administratrix
	legal-representatives
	heirs
	executors
	legal-heirs) # REQUIRED >

<!--

Rule 4.6(c):

"The request may, for different designated states, indicate different persons as inventors where, in this respect, the requirements of the national laws of the designated States are not the same. In such a case, the request shall contain a separate statement for each designated State or group of States in which a particular person, or the same person, is to be considered the inventor, or in which particular persons, or the same persons, are to be considered the inventors."

-->

<!ELEMENT designated-states-as-inventor (country* , (region , country+)*)>

<!--

Indication of specific Contracting States in or for which the applicant is seeking protection for his invention

(Rule 4.9(a))

-->

<!ELEMENT designated-states (country* , (region , country+)*)>

<!--

ADDRESSBOOK GROUP:

Holds name and contact information for individuals/organizations

The LANG attribute is REQUIRED for certain document types, e.g., the JPO PCT Request where names and addresses may be repeated in two different languages. If no structure possible use text.

用于联系个人或者组织的地址、名称等信息

```

-->
<!ELEMENT addressbook ((%name_group; , address , phone* , fax* , email* , url* , ead* , dtext?) | text)>

<!ATTLIST addressbook i d ID #IMPLIED
                    lang CDATA #IMPLIED >
<!--
    Universal Decimal Classification.
    (INID 53, ST.32:B530)

-->
<!ELEMENT classification-udc (#PCDATA)>

<!ATTLIST classification-udc i d ID #IMPLIED >
<!--
    Locarno Classification data;
    洛迦诺分类

-->
<!ELEMENT classification-locarno (edition , main-classification , further-classification* , text?)>

<!ATTLIST classification-locarno i d ID #IMPLIED >
<!--
    Domestic or national classification.
    (INID 52, ST.32:B520)
    国家分类(INID 52, S T.32:B520)

-->
<!ELEMENT classification-national (country , e dition? , m ain-classification , further-classification* ,
(additional-info | linked-indexing-code-group | unlinked-indexing-code)* , text?)>

<!ATTLIST classification-national i d ID #IMPLIED >

<!ELEMENT classifications-ipcr (classification-ipcr+)>

<!ATTLIST classifications-ipcr i d ID # IMPLIED >
<!--
    International Patent Classification (IPC) data;

-->
<!ELEMENT classification-ipcr ((ipc-version-indicator , classification-level? , section , class , subclass ,
main-group? , subgroup? , symbol-position? , classification-value? , action-date? , generating-office? ,
classification-status? , classification-data-source?) | text)>

<!ATTLIST classification-ipcr i d ID # IMPLIED
                    sequence CDATA # IMPLIED >
<!--
    Classification code; e.g., ipc, dewey etc.

```

分类号, 如 IPC、德温特分类等

```
-->
<!ELEMENT class (#PCDATA)>

<!ATTLIST class class-type CDATA #IMPLIED >
<!--
  International Patent Classification (IPC) data;
  (INID 51, ST.32:B510)
  国际分类号 IPC(INID 51, S T.32:B510)
-->
<!ELEMENT classification-ipc (edition , main-classification , further-classification* , (additional-info |
linked-indexing-code-group | unlinked-indexing-code)* , text?)>

<!ATTLIST classification-ipc id ID # IMPLIED >
<!--
  Further/secondary classification
  (ST.32:B512/B522)
-->
<!ELEMENT further-classification (#PCDATA)>

<!ATTLIST further-classification id ID # IMPLIED
sequence CDATA #IMPLIED >
<!--
  Application reference information: application number, country
  (INID 21, ST.32:B210)
  对专利申请的引用: 申请号, 国家(INID 21, ST.32:B210)
-->
<!ELEMENT application-reference (document-id)>

<!ATTLIST application-reference id ID #IMPLIED
appl-type CDATA #REQUIRED >
<!--
  Publication reference information: publication number, date, etc
  (INID 11, ST.32:B110)
  对专利公开的引用: 公开号、公开日等(INID 11, ST.32:B110)
-->
<!ELEMENT publication-reference (document-id)>

<!ATTLIST publication-reference id ID #IMPLIED >
<!--
  Document identification refers to patents (and patent applications) only.
  See WIPO ST.14
  专利文档标识. 见 WIPO ST.14
```

-->

<!ELEMENT document-id (country , doc-number , kind? , name? , date?)>

<!ATTLIST document-id lang CDATA #IMPLIED >

<!--

Name:

If no distinction or detail can be given.

Also to be used for: personal (natural person) and corporate (legal entity) names

名称 可以是机构或者自然人的名称

-->

<!ELEMENT name (#PCDATA)>

<!ATTLIST name name-type (legal | natural) #IMPLIED >

<!--

doc-page - DOCUMENT or PAGE

This is primarily to be used when data for the whole or major sections of an application are in image format OR other formats such as pdf.

Page range attributes are given when required

pp - page range

ppf - first page

ppl - last page (for pdf).

The 'img' may also be used for complete pages, e.g. in drawings

Recommended id = docp0001, docp0002, etc.

文档页，主要使用在所有或者大部分的数据都是以图像格式或是诸如 PDF 等格式存储的情况下。

"img"也可以是整个文档页，如附图。

建议属性 id 取值为 docp01, docp02 等。

-->

<!ELEMENT doc-page EMPTY>

<!ATTLIST doc-page id	ID	#IMPLIED
he	CDATA	#REQUIRED
wi	CDATA	#REQUIRED
type	(jpg pdf tif)	#REQUIRED
alt	CDATA	#IMPLIED
pp	CDATA	#IMPLIED
ppf	CDATA	#IMPLIED
ppl	CDATA	#IMPLIED
file	CDATA	#REQUIRED
ocr	CDATA	#IMPLIED
color	(color bw)	#IMPLIED

orientation (portrait | landscape) ' portrait' >

<!--
 Paragraph

Recommended id = p0001, p0002, etc. num = 0001, 0002, etc.

Note: paragraphs may occur in sections other than the description and at different times eg. for the abstract, in this case use for example "p0001a"; amended claims: "p0001ac", etc.

段落
 属性 id 建议取值为 p01, p02 等
 属性 num 建议取值为 001, 002 等
 注意: 段落可以重复出现在说明书以外的部分, 如摘要之中, 在这种情况下 id 用 p0001a; 如在更正后的权项中, id 用 p0001ac; 诸如此类。

-->

<!ELEMENT p (#PCDATA | b | i | u | sup | sub | smallcaps | br | pre | dl | ul | ol | crossref | figref | patcit | nplcit | bio-deposit | img | chemistry | maths | tables | table-external-doc | cn-law-reference | cn-notice-reference | cn-rule-reference | cn-evidence-reference | cn-evidence | cn-accessory)*>

<!ATTLIST p id ID #IMPLIED
 num CDATA #REQUIRED >

<!--
 Term to be defined

Recommended id = dtrm0001, dtrm0002, etc.
 被定义的术语, 属性 id 建议取值为 dtrm01, dtrm02 等

-->

<!ELEMENT dt (#PCDATA | b | i | u | sup | sub | smallcaps)*>

<!ATTLIST dt id ID #IMPLIED >

<!--
 Unordered Lists
 list-style may be empty for lists with no bullet or other symbol default
 list-style is 'bullets'

Recommended id = ulis0001, ulis0002, etc.
 无序列表
 属性 list-style 可以为空, 缺省为'bullets'
 属性 id 建议取值为 ulis01, ulis02 等

-->

<!ELEMENT ul (li+)>

<!ATTLIST ul compact (compact) #IMPLIED


```

                list-style (bullet | dash | none) 'bullet'
                id          ID      # IMPLIED >
<!--
    List item

    Recommended id = list0001, list0002, etc.

    列表表项, 属性 id 建议取值为 list01, list02 等
-->
<!ELEMENT li (#PCDATA | b | i | u | sup | sub | smallcaps | br | pre | patcit | nplcit | bio-deposit | crossref |
figref | img | dl | ul | ol | chemistry | maths | cn-law-reference | cn-notice-reference | cn-rule-reference |
cn-evidence-reference | cn-evidence | cn-accessory)*>

<!ATTLIST li  n um CDATA # IMPLIED
                id ID      # IMPLIED >
<!--
    References a stand-alone table authored with the table-external DTD.
    引用的外部表格文件
-->
<!ELEMENT table-external-doc (#PCDATA)>

<!ATTLIST table-external-doc  i d          ID      # IMPLIED
                                file        CDATA # REQUIRED
                                lang        CDATA #IMPLIED
                                carriers    (internal-electronic |
                                             external-electronic |
                                             paper ) #IMPLIED
                                external-type ( math |
                                                chemistry |
                                                program-listing |
                                                other ) #IMPLIED
                                status      CDATA # IMPLIED >
<!--
    TABLES
    This is image data or coded according to OASIS Exchange model with modified cell
    'entry' content.

    Recommended id = tabl0001, tabl0002, etc.
    表格, 可以是图像数据, 也可以是根据 OASIS Exchange model 编制的表格
    属性 id 建议取值为 tabl01, tabl02 等
-->
<!ELEMENT tables (img | table)>

<!ATTLIST tables  n um CDATA # REQUIRED

```

```

                id ID # IMPLIED >
<!--
MATHEMATICS
This is image data or coded according to mathml, version 2

Recommended id = math0001, math0002, etc.
数学公式
可以使用图像数据表示，也可以使用根据 mathml 的 XML 结构数据
属性 id 建议取值为 math01, math02 等
-->
<!ELEMENT maths (img | (math , img?))>

<!ATTLIST maths n um CDATA # REQUIRED
                id ID # IMPLIED >
<!--
Chemistry
Chemical formulae, ring structures, Markush structures, etc.

For now treat as image data.
Depending on industry support we may use, e.g., chemML, CML later

Recommended id = chem0001, chem0002, etc
化学公式、方程式、结构式等
可以作为图像数据处理，也可以使用外部独立化学式（使用 chemML、CML 等 XML 结构）
属性 id 建议取值为 chem01, chem02 等
-->
<!ELEMENT chemistry (img | (chem , img?))>

<!ATTLIST chemistry n um CDATA #REQUIRED
                    id ID #IMPLIED >
<!--
This is a pointer to an external DTD for chemical markup - to be determined.
For EPO probably CML; http://www.xml-cml.org/
-->
<!ELEMENT chem EMPTY>

<!ATTLIST chem ch em-type CDATA #IMPLIED
               file CDATA #REQUIRED
               id ID # IMPLIED >
<!--
Biological deposit citation (US EFS: biological-deposit)
(INID 83, ST.32:B830)
According to PCT Rule 13bis, EPC Rule 28
This covers all bio data references long and short within the description and/or

```

claims

Recommended id = biod0001, biod0002, etc.

微生物样本保藏有关信息

属性 id 建议取值为 biod0001, biod0002 等

-->

<!ELEMENT bio-deposit (depository , bio-accno , date? , term? , dtext?)>

<!--

Ordered Lists:

attribute 'ol-style'

Recommended use:

| | | |
|---|----------------|-----------------|
| 1 | Arabic numbers | 1, 2, 3, ... |
| a | lower alpha | a, b, c, ... |
| A | upper alpha | A, B, C, ... |
| i | lower roman | i, ii, iii, ... |
| I | upper roman | I, II, III, ... |

有序列表:

属性'ol-style' - 建议值及含义如下:

| | | |
|---|--------|-----------------|
| 1 | 阿拉伯数字 | 1, 2, 3, ... |
| a | 小写字母 | a, b, c, ... |
| A | 大写字母 | A, B, C, ... |
| i | 小写罗马字母 | i, ii, iii, ... |
| I | 大写罗马字母 | I, II, III, ... |

-->

<!ELEMENT ol (li+)>

```
<!ATTLIST ol  ol-style CDATA # IMPLIED
              compact ( compact ) # IMPLIED
              id      ID      #IMPLIED >
```

<!--

Image data

Image is used for any kind of image: art work, figures, complex work units (math, tables, chemistry), etc.

Recommended:

| | |
|-------------|---|
| id | = i0001, i0002, etc. |
| he, wi | = "11" - milimeters - height, width; |
| file | = file name, location; label - not used; |
| alt | = alternate text if image not shown; |
| img-content | = drawing is the default; |
| img-format | = common will be tiff, st33 and st35 in for backward compatibility and, later, publication. |

orientation = orientation of the image (portrait | landscape).

Default is portrait

inline = (yes | no).

Whether the image is to be presented inline or separated by line breaks. Default is no.

图像数据

图像数据可以是绘画、图形或者复杂的元素（数学式、表格、化学式）等
建议属性取值：

id = i01, i02 等

he, wi = "11" - 以毫米为单位 - 高，宽；

file = 文件名和位置；

label - 未使用；

alt = 图像不显示时的替代文字

img-content = 缺省为 drawing；

img-format = 图像格式，通常为 tiff、st33 或 st35

orientation = 图像的方向 (portrait | landscape). 缺省为 portrait

inline = (yes | no). 图像是否为行内图. 缺省为 no

-->

<!ELEMENT img EMPTY>

```
<!ATTLIST img  i nline    (   yes | no ) 'no'
                orientation (portrait | landscape ) 'portrait'
                img-format  (  jpg | tif | st33 | st35 ) #R REQUIRED
                img-content ( drawing |
                            photograph |
                            character |
                            dna |
                            undefined |
                            chem |
                            table |
                            math |
                            program-listing |
                            flowchart ) 'drawing'
                alt         CDATA # IMPLIED
                file        CDATA # REQUIRED
                wi          CDATA # REQUIRED
                he          CDATA # REQUIRED
                id          ID      #IMPLIED >
```

<!--

A reference to a figure;

e.g., "...as shown in <figref idref='f0001'>figure1</figref>..."

对一幅图形/图像的引用

如"...as shown in <figref idref='f0001'>figure1</figref>..."

-->

<!ELEMENT figref (#PCDATA | b | i | u | sup | sub | smallcaps)*>

```
<!ATTLIST figref  n um    CDATA    # IMPLIED
                  idref IDREFS  #IMPLIED >
```

<!--

Cross reference to any other element with an identifier (id)
具有 id 属性的其他元素的引用

-->

<!ELEMENT crossref (#PCDATA | b | i | u | sup | sub | smallcaps)*>

```
<!ATTLIST crossref  i dref IDREF  # REQUIRED >
```

<!--

This element is one method to identify content consisting of text objects that require preservation (pre) of their whitespace in order to preserve internal logical relationships.

(e.g., sequence listing fragments, computer program listings)

保持原有格式（包括换行、空格等），属性 listing-type 表示了该结构的内容是什么数据如基因序列片断、程序清单等

-->

<!ELEMENT pre (#PCDATA)>

```
<!ATTLIST pre  lis ting-type (sequence | program-listing | other) #REQUIRED
              xml:space      (preserve | default) #IMPLIED
              id              ID # IMPLIED >
```

<!--

Heading text; see Rule 5. Recommended id = h0001, h0002, etc.

标题文本; 建议 id 取值为 h01, h02 等, 属性 level 表示 标题的层次

-->

<!ELEMENT heading (#PCDATA | b | i | u | sup | sub | smallcaps)*>

```
<!ATTLIST heading  i d    ID # IMPLIED
                  level (1 | 2 | 3) #IMPLIED >
```

<!--

Definition list

Recommended id = ddis0001, ddis0002, etc.

定义（术语）列表, 建议 id 取值为 ddis01, ddis02 等

-->

<!ELEMENT dl (dt , dd)+>

```
<!ATTLIST dl  i d    ID    # IMPLIED
              compact (compact) # IMPLIED
              tsize   CDATA #IMPLIED >
```

<!--

Definition description

定义的内容（定义列表中使用）

-->

```
<!ELEMENT dd (#PCDATA | b | i | u | sup | sub | smallcaps | br | pre | patcit | nplcit | bio-deposit | crossref |
figref | img | ul | ol | chemistry | maths | cn-law-reference | cn-notice-reference | cn-rule-reference |
cn-evidence-reference | cn-evidence | cn-accessory)*>
```

<!--

Bold formatting for text

粗体文本

-->

```
<!ELEMENT b (#PCDATA | i | u | smallcaps)*>
```

<!--

Italic formatting for text

斜体文本

-->

```
<!ELEMENT i (#PCDATA | b | u | smallcaps)*>
```

<!--

Underscore: style - single is default

下划线：缺省为单线 single

-->

```
<!ELEMENT u (#PCDATA | b | i | smallcaps)*>
```

```
<!ATTLIST u style (single | double | dash | dots) 'single' >
```

<!--

Small capitals

小的大写字母

-->

```
<!ELEMENT smallcaps (#PCDATA | b | u | i)*>
```

<!--

Subscripted text

下标文本

-->

```
<!ELEMENT sub (#PCDATA | b | u | i | sup2 | sub2)*>
```

<!--

Superscripted text

上标文本

-->

```
<!ELEMENT sup (#PCDATA | b | u | i | sup2 | sub2)*>
```

<!--
 Subscripted text
 下标文本
 -->
 <!ELEMENT sub2 (#PCDATA | b | u | i)*>

<!--
 Superscripted text
 上标文本
 -->
 <!ELEMENT sup2 (#PCDATA | b | u | i)*>

<!--
 br - break, line break within a paragraph
 段内换行
 -->
 <!ELEMENT br EMPTY>

<!--
 Identifies the period of time during which the depository must be able to furnish
 samples of the biological material.
 微生物样本保藏期限
 -->
 <!ELEMENT term (#PCDATA)>

<!--
 Biological accession number:
 (ST.32:B831)
 The identification assigned to the biological material by the depository
 微生物样本保藏编号(ST.32:B831)
 -->
 <!ELEMENT bio-accno (#PCDATA)>

<!--
 Information regarding the facility storing the biological deposit.
 (ST.32:B832)
 微生物样本保藏地点的信息(ST.32:B832)
 -->
 <!ELEMENT depository (#PCDATA | address)*>

<!--
 ABSTRACT: PCT Rule 8
 (INID 57, ST.32:B570)

A concise summary of the disclosure, 50-150 words.

Recommended id = 'abst' or 'abst0001' for multiple abstracts

-->

<!ELEMENT abstract (doc-page+ | (abst-problem , abst-solution) | p+)>

```
<!ATTLIST abstract  id      ID          #IMPLIED
                    lang    CDATA      #IMPLIED
                    status CDATA      #IMPLIED >
```

<!--

The solution to the alleged problem that the invention purports to solve.

Recommended id = 'abss'

-->

<!ELEMENT abst-solution (p+)>

```
<!ATTLIST abst-solution  id ID      #IMPLIED >
```

<!--

The alleged problem that the invention purports to solve

Recommended id = 'absp'

-->

<!ELEMENT abst-problem (p+)>

```
<!ATTLIST abst-problem  id ID      #IMPLIED >
```

<!-- CITATION -->

<!--

Reference to other documents, either patent literature (patcit)
or non-patent literature (nplcit)

Recommended id = 'cit0001', 'cit0002', etc.

对其他文档的引用，包括专利文献(patcit)或非专利文献(nplcit)等
属性 id 建议的取值为'cit0001', 'cit0002'等

-->

<!ELEMENT citation ((patcit | nplcit) , corresponding-docs* , rel-passage* , category* , rel-claims* ,
classification-ipc? , classifications-ipcr? , classification-national?)>

```
<!ATTLIST citation  id      I D      #IMPLIED
                    srep-phase CDATA  #IMPLIED >
```

<!--

Patent family and corresponding-docs

专利同族和相关文献

-->

<!ELEMENT corresponding-docs (document-id | nplcit)*>

<!--

Other citations - free form

其他引用文献，自由格式

-->

<!ELEMENT othercit (#PCDATA | b | i | u | sup | sub)*>

<!--

Relevant passage group within patent; most used in search reports

- use text in abstract, description and claims

专利引用文献中相关的若干段落

-->

<!ELEMENT rel-passage (text | (passage+ , category* , rel-claims*)+)>

<!--

Relevant claims

相关的权利要求项

-->

<!ELEMENT rel-claims (#PCDATA)>

<!--

Category

(ST.32:B563)

类别(ST.32:B563)

-->

<!ELEMENT category (#PCDATA)>

<!--

Passage within the cited patent literature

专利引用文献中的段

-->

<!ELEMENT passage (#PCDATA)>

<!--

Non-Patent Literature (NPL) CITation;

Notes:

This can be free text data without any structure (#PCDATA) which is NOT recommended

or it can be highly structured data which is marked up according to ST.14 and ISO 690 layout;

This part of the DTD has used many different sources for element names and DTD structure and reference:

AACR2 / MARC

ISO 12083 - Electronic manuscript prep. and markup. DTD

Association of American Publishers (AAP) Z39.59 DTD

European Working Group for SGML (EWS) MAJOUR DTD

SuperJournal Full Article DTD

www.superjournal.ac.uk/sj

Elsevier DTD

Medline DTD (NLM)

Attributes (recommended):

id - ncit0001, ncit0002, etc

num - 0001, 0002

npctype - The TYPE of citation is office specific (recommended):;

A - Abstract citation of no specific kind

B - Book citation

I - Biological abstract citation

C - Chemical abstracts citation

E - Database citation

D - Derwent citation

P - Patent cited within NPL group

J - Patent Abstracts of Japan citation (REC 067)

S - Serial / Journal / Periodical citation

W - World Wide Web / Internet search citation

medium - the type of medium

e.g., CD (CD-ROM), MT (Magnetic Tape), DISK, ONLINE

file - file name on local systems eg. XP number in EPO

url - where possible give full web link to document

非专利引用文献

注意:

非专利文献的引用也可以全部用无结构的文本来描述，但是建议不要这样做，建议采用以下根据 ST.14 和 ISO690 标准定义的高度格式化的描述方式。

这部分 DTD 使用了许多不同来源的元素名、DTD 结构和引用，包括:

AACR2 / MARC

ISO 12083 - 电子手稿标记 DTD

美国出版联盟 (Association of American Publishers —— AAP) Z39.59 DTD

欧洲 SGML 工作组 (European Working Group for SGML —— EWS) MAJOUR DTD

SuperJournal 全文 DTD www.superjournal.ac.uk/sj

Elsevier DTD

Medline DTD (NLM)

属性的建议:

id - ncit1, ncit2, etc

num - 0001, 0002

type :

A - 不属于特殊类型的摘要引用 Abstract citation of no specific kind

B - 书籍引用 Book citation

I - 生物摘要引用 Biological abstract citation

C - 化学摘要引用 Chemical abstracts citation

E - 数据库引用 Database citation

D - 德文特引用 Derwent citation

P - 非专利文献中引用的专利 Patent cited within NPL group

J - 日本引用的专利摘要 Patent Abstracts of Japan citation (REC 067)

S - 期刊杂志引用 Serial / Journal / Periodical citation

W - 互联网检索引用 World Wide Web / Internet search citation

medium - 介质类型, 如 CD (CD-ROM), MT (磁带 Magnetic Tape), DISK, ONLINE

file - 本地系统中的文件名, 如 EPO 中的 XP number

url - 连接到该文献的 URL

-->

<!ELEMENT nplcit (text | article | book | online | othercit)>

```
<!ATTLIST nplcit id ID #IMPLIED
                num C DATA #IMPLIED
                lang CDATA #IMPLIED
                file CDATA #IMPLIED
                npl-type CDATA #IMPLIED
                medium C DATA #IMPLIED
                url CDATA #IMPLIED >
```

<!--

Online citation

Revised according to ISO-690-2 - Electronic documents and parts thereof.

Please refer to this standard for definitions and examples.

See: <http://www.nlc-bnc.ca/iso/tc46sc9/standard/690-2e.htm#Contents>

The tagging in fact is a mixture of article and book tags together with specific electronic source tags.

'Online' is taken to mean any kind of electronic documentation:

databases, internet, CD-Roms, DVD, email, etc

EXAMPLES:;

Kirk-Othmer Encyclopedia of Chemical Technology [online].

3rd ed. New York : John Wiley, 1984 [cited 3 January 1990].

Available from: DIALOG Information Services, Palo Alto (Calif.).

```
<nplcit id='ncit1' num='0001' type='E' medium='online'>
  <online>
```

```

<online-title>Kirk-Othmer Encyclopedia of Chemical Technology
</online-title>
<edition>3rd ed.</edition>
<imprint>
  <address>
    <text>New York</text>
  </address>
  <name>John Wiley</name>
  <pubdate>19840000</pubdate>
</imprint>
<avail>dialog information services, palo alto (calif.).</avail>
<datecit>
  <date>19900103</date>
</datecit>
</online>
</nplcit>

```

* Article on Internet:

Clark, Carol. On the Threshold of a Brave New World.

In Blueprint of the Body [online].

CNN.com, 2000. [cited 24 August 2000;10:25 EST]. In-depth specials.

Available from: [<http://www.cnn.com/SPECIALS/2000/genome/story/overview/>]

```

<nplcit id='ncit1' num='0002' type='E' medium='online'>
  <online>
    <author>
      <name>Clark, Carol</name>
    </author>
    <online-title>On the Threshold of a Brave New World</online-title>
    <imprint>
      <name>CNN.com, 2000</name>
    </imprint>
    <series>
      <text>In-depth specials</text>
    </series>
    <avail>http://www.cnn.com/SPECIALS/2000/genome/story/</avail>
    <datecit>
      <date>20000824; 10:25 est</date>
    </datecit>
  </online>
</nplcit>

```

* Personal communication (e-mail)

Thacker, Jane. MPEG-21 project stream on digital item identification [online].
 Message to: [iso.tc46.sc9@nlc-bnc.ca]. 3 October 2000; 13:33 EST [cited 6
 October 2000; 13:10 EST].
 Message-ID: [002f01c02d60\$051a64a0\$22a2580c@vaio]. Personal communication.

```
<nplcit id='ncit3' num='0003' type='E' medium='online'>
  <online>
    <author>
      <name>Thacker, Jane</name>
    </author>
    <online-title>MPEG-21 project stream on digital item identification
    </online-title>
    <subname>
      <name>Message to: <iso.tc46.sc9@nlc-bnc.ca></name>
    </subname>
    <pubdate>3 October 2000; 13:33 EST</pubdate>
    <notes>Personal communication</notes>
    <avail>Message-ID: <002f01c02d60$051a64a0$22a2580c@vaio></avail>
    <datecit><date>6 october 2000; 13:10 EST</date></datecit>
  </online>
</nplcit>
```

网上电子文件有关信息

-->

```
<!ELEMENT online (text | (author* , onl ine-title* , hosttitle? , subname* , edition? , (serial | book)? ,
imprint? , pubdate? , history? , series? , hostno? , location? , notes? , avail , class* , keyword* , cpyrt? ,
issn? , isbn? , datecit? , srchterm* , srchdate? , refno*))>
```

<!--

Date of search/retrieval Y YYYYMMDD

检索日 YYYYMMDD

-->

```
<!ELEMENT srchdate (date)>
```

<!--

Search terms

检索词

-->

```
<!ELEMENT srchterm (#PCDATA)>
```

<!--

Date cited - date on which the citation was cited.

May be different from srchdate below

引用日期，可以和检索日不同

-->

<!ELEMENT datecit (date)>

<!--

Availability and access - REQUIRED use for URL, online database, ftp address, email, etc.;

e.g., Available from Internet: <http://www.epoline.org>

Available from DIALOG Information Systems, Palo Alto (Calif.)

可用性和访问方法，要求使用 URL、在线数据库、FTP 地址、EMAIL 等。

-->

<!ELEMENT avail (#PCDATA)>

<!--

Numeration within host document

在文档集中的标号

-->

<!ELEMENT hostno (#PCDATA)>

<!--

History of the article (not serial)

论文的历史信息

-->

<!ELEMENT history (text | (received | accepted | revised | misc))>

<!--

Miscellaneous information relating to the history of the article; see ISO 12083

论文的其他历史信息，参见 ISO 12083

-->

<!ELEMENT misc (#PCDATA | date)*>

<!--

Date article was revised

论文修订日

-->

<!ELEMENT revised (date)>

<!--

Date article was accepted

论文被采纳日

-->

<!ELEMENT accepted (date)>

<!--

Date article was received

论文收到日

-->

<!ELEMENT received (date)>

<!--

Title of the host document/database

数据库或者文档集标题

-->

<!ELEMENT hosttitle (#PCDATA)>

<!--

The title of the electronic resource

电子资源标题

-->

<!ELEMENT online-title (#PCDATA)>

<!--

Article citations within a 'host' document

After patent citations the most common citations are articles within serials (periodicals, magazines), books and electronic (eg. internet) sources.

This is a very complex and varied area to standardise. The tag set below is drawn from a number of sources as is the order of the tags (which in any case can be changed depending on the stylesheet used).;

The order of tags is that of WIPO ST.14 / ISO 690 layout.

DROP, J.G. Integrated Circuit Personalization at the Module Level. IBM Tech. Dis. Bull. October 1974, Vol. 17, No. 5, p. 1344 and 1345.
[XPnnnnnnnnnn].

```
<nplcit id='ncit1' num='0012' type='S' file='XP1234456'>
  <article>
    <author>
      <name>DROP, J.G.</name>
    </author>
    <atl>Integrated Circuit Personalization at the Module Level</atl>
    <serial>
      <sertitle>IBM Tech. Dis. Bull.</sertitle>
      <pubdate>19741000</pubdate>
      <vid>17</vid>
      <ino>5</ino>
    </serial>
    <location>
      <pp>1344 and 1345</pp>
    </location>
```

```

    <refno id='XP1'>XP1234456</refno>
  </article>
</nplcit>

```

Note: it is NOT expected that the applicant will create the tagged data
 - it can be generated from a 'pull down' data entry form (eg. in Word) or
 generated from internal SR databases

论文

-->

```

<!ELEMENT article (text | (author* , atl? , subname* , (serial | book) , absno? , location? , class* ,
keyword* , cpyrt? , artid? , refno*))>

```

<!--

Article unique ID - assigned by a publisher to an article
 论文出版者给论文的唯一编号

-->

```

<!ELEMENT artid (#PCDATA)>

```

<!--

Book citation

In the order specified by WIPO ST.14 and ISO 690 and AACR2 rules for layout

WALTON, Herrmann. Microwave quantum theory.
 London : Sweet and Maxwell, 1973. ISBN 0123456789.
 Vol.2, p. 138 to 192.

```

<nplcit id='ncit12' num='0013' type='b'>
  <book>
    <author>
      <name>WALTON, Herrman</name>
    </author>
    <book-title>Microwave quantum theory</book-title>
    <imprint>
      <address>
        <text>London</text>
      </address>
      <name>Sweet and Maxwell</name>
      <pubdate>19730000</pubdate>
    </imprint>
    <location>
      <pp>138 to 192</pp>
    </location>
    <isbn>0-1234-568-9</isbn>
  </book>

```



```

    </nplcit>
    书籍的描述
-->
<!ELEMENT book (text | (author* , (book-title+ | conference) , (subtitle? , subname* , edition? , imprint? ,
descrip? , series? , absno? , location* , isbn* , pubid? , vid? , bookno? , notes? , class* , keyword* , cpyrt? ,
refno*)))>

<!--
    Keyword; e.g., from a Thesaurus or class. scheme
    (ST.32:B550)
    关键词(ST.32:B550)
-->
<!ELEMENT keyword (#PCDATA)>

<!--
    Book number
    书号
-->
<!ELEMENT bookno (#PCDATA)>

<!--
    Location within the cited work
    引用文献中的位置描述
-->
<!ELEMENT location (text | (serpart? , sersect? , chapter? , pp? , column? , para? , line?))>

<!--
    Referenced line within cited work
    引用文献中被引用的行号（范围）
-->
<!ELEMENT line (#PCDATA | linef | linel)*>

<!--
    Cited document line, last
    结束行
-->
<!ELEMENT linel (#PCDATA)>

<!--
    Cited document line, first
    开始行
-->
<!ELEMENT linef (#PCDATA)>

```

<!--
 Referenced paragraph within cited work
 文献内的段
 -->
 <!ELEMENT para (#PCDATA | paraf | paral)*>

<!--
 Cited paragraph, last
 结束段
 -->
 <!ELEMENT paral (#PCDATA)>

<!--
 Cited paragraph, first
 开始段
 -->
 <!ELEMENT paraf (#PCDATA)>

<!--
 Cited document column numbers
 栏
 -->
 <!ELEMENT column (#PCDATA | colf | coll)*>

<!--
 Cited document column, last
 结束栏
 -->
 <!ELEMENT coll (#PCDATA)>

<!--
 Cited document column, first
 开始栏
 -->
 <!ELEMENT colf (#PCDATA)>

<!--
 Cited document page numbers
 引用的页码（范围）
 -->
 <!ELEMENT pp (#PCDATA | ppf | ppl)*>

<!--
 Cited document page, last

结束页
 -->
 <!ELEMENT ppl (#PCDATA)>

<!--
 Cited document page , first
 开始页
 -->
 <!ELEMENT ppf (#PCDATA)>

<!--
 Chapter; e.g., in a book. Example: Chapter 2
 章 , 如第二章
 -->
 <!ELEMENT chapter (#PCDATA)>

<!--
 Serial section
 连载的节
 -->
 <!ELEMENT sersect (#PCDATA)>

<!--
 Part within a serial
 连载的部分
 -->
 <!ELEMENT serpart (#PCDATA)>

<!--
 Abstract number
 摘要号
 -->
 <!ELEMENT absno (#PCDATA)>

<!--
 Series statement
 丛书说明
 -->
 <!ELEMENT series (text | (mst , msn? , issn?))>

<!--
 Monographic series number
 专题论文集编号
 -->

<!ELEMENT msn (#PCDATA)>

<!--

Monographic series title

专题论文集名称

-->

<!ELEMENT mst (#PCDATA)>

<!--

Book subtitle

书籍的副标题

-->

<!ELEMENT subtitle (#PCDATA)>

<!--

CONFERENCE GROUP / CITATION

There is no standard way of citing conference proceedings; date of the conf. may come before or after place, for example. The tags are specified in a set order where it is not possible or correct then simply use <text>

会议的有关信息

-->

<!ELEMENT conference (text | (conftitle , date? , confno? , confplace? , confsponsor*))>

<!--

Conference sponsor

会议的发起人

-->

<!ELEMENT confsponsor (#PCDATA | addressbook)*>

<!--

Conference place

会议地点

-->

<!ELEMENT confplace (#PCDATA | address)*>

<!--

Conference number

会议号

-->

<!ELEMENT confno (#PCDATA)>

<!--

Conference title

会议主题

```

-->
<!ELEMENT conftitle (#PCDATA)>

<!--
  The title of the cited book
  引用书籍的标题
-->
<!ELEMENT book-title (#PCDATA)>

<!--
  Serial citation data:
  This describes the volume or issue as a whole and not a particular article within
  it.
  期刊引用数据：描述了整个卷期的信息
-->
<!ELEMENT serial (sertitle , alttitle? , subname* , issue? , imprint? , pubdate? , descrip? , notes? , issn? ,
isbn? , pubid? , vid? , ino? , cpyrt?)>

<!--
  Copyright info.  Copyright of publisher of serial
  版权信息
-->
<!ELEMENT cpyrt (#PCDATA)>

<!--
  Issue number
  发行号
-->
<!ELEMENT ino (#PCDATA)>

<!--
  Volume id/number
  卷号
-->
<!ELEMENT vid (#PCDATA)>

<!--
  Publisher's unique id
  出版商的唯一标识
-->
<!ELEMENT pubid (#PCDATA)>

<!--
  International Standard Book Number

```

国际标准图书号
 -->
 <!ELEMENT isbn (#PCDATA)>

<!--
 International Standard Serial Number
 国际标准期刊号
 -->
 <!ELEMENT issn (#PCDATA)>

<!--
 Notes about the journal; e.g. Continues Journal of XYZ 1910-1998, published in
 French and English, etc.
 期刊的注释
 -->
 <!ELEMENT notes (#PCDATA)>

<!--
 Physical description - generally NOT used in citations in pats; e.g., v., 27cm
 说明书中“图像的简要说明”部分，属性 id 建议取值为“desd”
 -->
 <!ELEMENT descrip (#PCDATA)>

<!--
 Imprint:
 Publication / creation data
 Place of publication : publisher, date(s) of publication usually only date of
 publication is used for journal citations
 出版有关信息，包括出版/初版时间、出版地点、出版商，通常期刊只使用出版日期
 -->
 <!ELEMENT imprint (text | (address? , name , pubdate*))>

<!--
 Publication date used in npl citations
 非专利引用文献中的公开日期
 -->
 <!ELEMENT pubdate (#PCDATA | sdate | edate | time)*>

<!--
 Time; format HHMM
 时间，格式为 HHMM
 -->
 <!ELEMENT time (#PCDATA)>

```

<!--
  End date used in pubdate
  在 pubdate 中的结束日
-->
<!ELEMENT edate (#PCDATA)>

<!--
  Start date used in pubdate
  在 pubdate 中的起始日
-->
<!ELEMENT sdate (#PCDATA)>

<!--
  Issue designation; e.g., Annual, 1971-, 1890-1972
  发行有关信息 如 Annual, 1971-, 1890-1972
-->
<!ELEMENT issue (#PCDATA)>

<!--
  Alternate title for serial; e.g. BMJ = British Medical Journal
  丛书的副标题 如 BMJ = British Medical Journal
-->
<!ELEMENT alttitle (#PCDATA)>

<!--
  Serial title
  期刊名称
-->
<!ELEMENT sertitle (#PCDATA)>

<!--
  Article title
  论文标题
-->
<!ELEMENT atl (#PCDATA)>

<!--
  Reference number (general); for the EPO this is the XP number
  一般参考编号
-->
<!ELEMENT refno (#PCDATA)>

<!ATTLIST refno  i d ID # IMPLIED >
<!--

```

Subordinate responsibility; e.g., editor, translator, etc.

除作者外的其他责任者 如编辑、译者

-->

<!ELEMENT subname (%name_group; | addressbook)>

<!ATTLIST subname s subname-type (editor | translator | other-subname-type) 'editor' >

<!--

Author

Prime responsibility for the work

there is no distinguishing between personal and corporate authors

<author> followed by name or addressbook information

use the ID attribute if, for example, there is a need to distinguish between multiple authors.

Can also include affiliation details

Recommended id = auth0001, auth0002, etc.

作者

属性 id 建议的取值为 auth0001, auth0002 等

-->

<!ELEMENT author (%name_group; | addressbook)>

<!ATTLIST author i d ID #IMPLIED >

<!--

PATENT CITATIONS:

(ST.32:B561)

Patent Citation within abstract, description or claims.

For patent citations within Search Report see Search Report DTD

Notes:

Tags arranged according to WIPO ST.14 order.

This can be free text data without any structure (text).

Example:

```
<patcit id='pcit0001' dnum='US4793675A' dnum-type='publication number'>
```

```
  <document-id>
```

```
    <country>US</country>
```

```
    <doc-number>4793675</doc-number>
```

```
    <kind>A</kind>
```

```
    <name>Handa</name>
```

```
    <date>19881227</date>
```

```
  </document-id>
```


</patcit>

Note:

It is NOT expected that the applicant will create the tagged data
- it could be generated from a 'pull down' data entry form
or generated from internal SR databases

Attributes (recommended):

id - pcit0001, pcit0002, etc.

num - 0001, 0002, etc.

dnum - use full number as one string, eg, "US5401234A";

url - where possible give full web link to patent

file - file name eg. if stored on local systems

dnum-type - type of document number

(e.g., application number, publication number)

专利引用文献

-->

<!ELEMENT patcit (text | (document-id , rel-passage*))>

```
<!ATTLIST patcit  id      ID          #IMPLIED
                  num     C          DATA #IMPLIED
                  dnum    C          DATA #IMPLIED
                  dnum-type CDATA    #IMPLIED
                  file     CDATA    #IMPLIED
                  url      CDATA    #IMPLIED >
```

<!--

Country of nationality

国籍

-->

<!ELEMENT nationality (country)>

<!--

Descriptive text

描述性文本

-->

<!ELEMENT dtext (#PCDATA)>

<!--

Universal Resource Locator; e.g. www.wipo.int

统一资源定位, URL 如 www.wipo.int

-->

<!ELEMENT url (#PCDATA)>

<!--

Fax number
传真号
-->
<!ELEMENT fax (#PCDATA)>

<!--
Telephone number
电话号码
-->
<!ELEMENT phone (#PCDATA)>

<!--
Email address
邮件地址
-->
<!ELEMENT email (#PCDATA)>

<!--
Electronic address use for other than email
非电子邮箱地址的电子地址
-->
<!ELEMENT ead (#PCDATA)>

<!ENTITY % address_group "((address-1? , address-2? , address-3? , mailcode? , pobox ? , room? , address-floor? , building? , street? , city? , county? , state? , postcode? , country) | text)">

<!--
Address components:
Address formats differ from country to country
If no structure possible use text
用于联系个人或者组织的地址、名称等信息, 属性 lang 表示语言
-->
<!ELEMENT address (%address_group);>

<!--
Postal code or zip code
邮政编码
-->
<!ELEMENT postcode (#PCDATA)>

<!--
Region of country; e.g., state, province, etc.
地区、州、省
-->

<!ELEMENT state (#PCDATA)>

<!--

County, parish, department, etc (mainly UK, USA)

县

-->

<!ELEMENT county (#PCDATA)>

<!--

City or town name

城市

-->

<!ELEMENT city (#PCDATA)>

<!--

Street may contain house number or name

街道, 包括房屋编号或名称

-->

<!ELEMENT street (#PCDATA)>

<!--

Building information in address; e.g., Hoffman building

建筑物的信息 如 上海大厦

-->

<!ELEMENT building (#PCDATA)>

<!--

Address floor; e.g., 10th

地址中的楼层

-->

<!ELEMENT address-floor (#PCDATA)>

<!--

Address room; e.g., Room 55B

地址中的房间号

-->

<!ELEMENT room (#PCDATA)>

<!--

Post Office Box number

邮箱号

-->

<!ELEMENT pobox (#PCDATA)>

<!--
Organizational mail code
组织的在邮局的编码
-->
<!ELEMENT mailcode (#PCDATA)>

<!--
Address, third line
地址的第三行
-->
<!ELEMENT address-3 (#PCDATA)>

<!--
Address, second line
地址的第二行
-->
<!ELEMENT address-2 (#PCDATA)>

<!--
Address, first line
地址的第一行
-->
<!ELEMENT address-1 (#PCDATA)>

<!--
Registered number
注册号码
-->
<!ELEMENT registered-number (#PCDATA)>

<!--
Synonym
别名
-->
<!ELEMENT synonym (#PCDATA)>

<!--
Department, division, section, etc. name
部门
-->
<!ELEMENT department (#PCDATA)>

<!--
Organisation name or company name

组织机构名称或者公司名称
 -->
 <!ELEMENT orgname (#PCDATA)>

<!--
 Role; e.g., President, Chairman, etc.
 职位或者角色如 总裁,主席等
 -->
 <!ELEMENT role (#PCDATA)>

<!--
 SDOBI : Individual id
 个人标识
 -->
 <!ELEMENT iid (#PCDATA)>

<!--
 Name suffix (e.g., II, Jr., Dip., Ing., BA, etc.)
 名字中的后缀如 II, Jr., Dip., Ing., BA 等
 -->
 <!ELEMENT suffix (#PCDATA)>

<!--
 Middle name(s) or initial(s)
 中间名
 -->
 <!ELEMENT middle-name (#PCDATA)>

<!--
 First or given name(s), initial(s)
 名
 -->
 <!ELEMENT first-name (#PCDATA)>

<!--
 Last, family, surname
 姓
 -->
 <!ELEMENT last-name (#PCDATA)>

<!--
 Title: e.g., Mr., Mrs., Dr. etc
 称谓 如 Mr., Mrs., Dr. 等
 -->

<!ELEMENT prefix (#PCDATA)>

<!--

Country of residence

居住国

-->

<!ELEMENT residence (country)>

<!--

Possible sources: human-generated-classification,

machine-propagated-classification, software-analysis-generated-classification

-->

<!ELEMENT classification-data-source (#PCDATA)>

<!--

Possible status: original-classification, reclassified, various-classification,

deleted-classification

-->

<!ELEMENT classification-status (#PCDATA)>

<!ELEMENT generating-office (country)>

<!ELEMENT action-date (date)>

<!--

Possible values: invention, non-invention

-->

<!ELEMENT classification-value (#PCDATA)>

<!--

Possible positions: first-symbol-position, later-symbol-position.

-->

<!ELEMENT symbol-position (#PCDATA)>

<!ELEMENT subgroup (#PCDATA)>

<!ELEMENT main-group (#PCDATA)>

<!ELEMENT subclass (#PCDATA)>

<!ELEMENT section (#PCDATA)>

<!--

Levels: ipcr-advanced, ipcr-core

```

-->
<!ELEMENT classification-level (#PCDATA)>

<!ELEMENT ipc-version-indicator (date)>

<!--
  If no structure is possible, enter text (without markup)
-->
<!ELEMENT text (#PCDATA)>

<!--
  Unlinked indexing code.
  (ST.32:B515/B525)
-->
<!ELEMENT unlinked-indexing-code (#PCDATA)>

<!--
  Linked indexing code.
  (ST.32:B514/B524)
-->
<!ELEMENT linked-indexing-code-group (main-linked-indexing-code , sub-linked-indexing-code+)>

<!--
  Sub/further Linked Indexing Code.
-->
<!ELEMENT sub-linked-indexing-code (#PCDATA)>

<!--
  Main Linked Indexing Code.
-->
<!ELEMENT main-linked-indexing-code (#PCDATA)>

<!--
  Main classification.
  (ST.32:B511/B521)
-->
<!ELEMENT main-classification (#PCDATA)>

<!--
  Edition statement
  (ST.32:B516)
-->
<!ELEMENT edition (#PCDATA)>

```

<!--

Additional information.

(ST.32:B513)

-->

<!ELEMENT additional-info (#PCDATA)>

<!--

Date: components of a date. Format: YYYYMMDD

-->

<!ELEMENT date (#PCDATA)>

<!--

Document kind code; e.g., A1

(INID 13, ST.32:B130)

文档种类 如 发明专利公布 A1 等(INID 13, ST.32:B130)

-->

<!ELEMENT kind (#PCDATA)>

<!--

The number of the referenced patent (or application) document

文档号

-->

<!ELEMENT doc-number (#PCDATA)>

<!--

The region for which protection or exclusion (depending upon context) is desired.

地区、国家

-->

<!ELEMENT region (country)>

<!--

Country: use ST.3 country code; e.g. DE, FR, GB, NL, etc.

Also includes EP, WO

国别 使用 WIPO ST.3 国别代码, 如 DE, FR, GB, NL, 也包括 EP, WO 等组织代码

-->

<!ELEMENT country (#PCDATA)>

<!--

A signature represented by electronic means

电子签名的方式

-->

<!ELEMENT electronic-signature (basic-signature | enhanced-signature)>

<!--

A TIFF image of a signature
 图象文件签名

```
-->
<!ELEMENT fax-image EMPTY>

<!--
  A PKI / PKCS #7 digital signature data type
  PKI / PKCS #7 数字签名
-->
<!ELEMENT enhanced-signature (pkcs7)>

<!--
  PKCS7 digital signature
  PKCS7 数字签名
-->
<!ELEMENT pkcs7 EMPTY>

<!--
  A non-PKI electronic signature
  非 PKI 电子签名
-->
<!ELEMENT basic-signature (fax-image | text-string | click-wrap)>

<!--
  A simple 'signature';
  e.g., clicking a button labeled 'accept' or 'I agree'
  通过按下软件界面上的一个按钮签名
-->
<!ELEMENT click-wrap EMPTY>

<!--
  A simple text string is to be used as the basic electronic signature;
  e.g., John Doe <text-string>/jd/</text-string>
  用一个文本串签名, 如 John Doe <text-string>/jd/</text-string>
-->
<!ELEMENT text-string (#PCDATA)>

<!--
  Drawings: PCT Article 7 / Rule 7
  Drawings shall be required when they are necessary for the understanding of the
  invention.

  Recommended id = 'draw'
```

-->

<!ELEMENT drawings (doc-page+ | figure+)>

```
<!ATTLIST drawings id ID #IMPLIED
                  lang CDATA #IMPLIED
                  status CDATA #IMPLIED >
```

<!--

A drawing (figure), necessary for the understanding of the invention

Recommended id = f0001, f0002, etc.

-->

<!ELEMENT figure (img)>

```
<!ATTLIST figure id ID #IMPLIED
                 num CDATA #REQUIRED
                 figure-labels CDATA #IMPLIED >
```

<!--

```
*****
* SECTION IV - ELEMENTS DEFINED BY SIPO for common use *
*****
```

-->

<!--

法律条款的引用

属性

sequence 指示法律条款出现的次序, 如 sequence="1"

law-id 指示特定的法律文本, 如 law-id="专利法"

law-version 指示法律的本, 如 law-version="2005"

article-id 指示引用的法条, 如 article-id="23"

term-id 指示引用法条中的特定款项, 如 term-id="2"

例如对专利法第 22 条第 3 款的引用可表示为

<cn-law-reference law-id="专利法" article-id="22" term-id="3">

专利法第 22 条第 3 款

</cn-law-reference>

-->

<!ELEMENT cn-law-reference (#PCDATA)>

```
<!ATTLIST cn-law-reference
          sequence CDATA #IMPLIED
          law-id CDATA #REQUIRED
          law-version CDATA #IMPLIED
          article-id CDATA #IMPLIED
          term-id CDATA #IMPLIED
```

>

<!--

对公告的引用

属性

sequence 指示公告引用出现的次序, 如 sequence="1"

notice-org 指示发布公告的单位

notice-id 指示公告号, 如 notice-id="47"

notice-date 指示公告的公布日期

例如对专利局第 27 号公告的引用可表示为

```
<cn-notice-reference notice-id="27">
```

专利局第 27 号公告

```
</cn-notice-reference>
```

-->

```
<!ELEMENT cn-notice-reference (#PCDATA)>
```

```
<!ATTLIST cn-notice-reference
```

```
sequence CDATA #IMPLIED
```

```
notice-org CDATA #IMPLIED
```

```
notice-id CDATA #REQUIRED
```

```
notice-date CDATA #IMPLIED
```

>

<!--

对审查指南的引用

属性

-->

```
<!ELEMENT cn-rule-reference (#PCDATA)>
```

```
<!ATTLIST cn-rule-reference
```

```
sequence CDATA #IMPLIED
```

```
rule-version CDATA #IMPLIED
```

```
part CDATA #IMPLIED
```

```
chapter CDATA #IMPLIED
```

```
section CDATA #REQUIRED
```

>

<!--

证据

属性

id 证据的唯一标识, 建议取值为 ev001, ev002, 等

num 证据编号, 如证据一的 num="1"

-->

```
<!ELEMENT cn-evidence (#PCDATA | b | i | u | sup | sub | smallcaps | br | pre | crossref | figref | patcit | nplcit | bio-deposit | cn-law-reference | cn-notice-reference | cn-evidence-reference | cn-rule-reference | cn-accessory)*>
```

```
<!ATTLIST cn-evidence
```

```

id ID #REQUIRED
num CDATA #IMPLIED
type CDATA #IMPLIED>

```

<!--

对证据的引用

属性

```

idref  证据的标识
file   证据出现的文件的文件名

```

-->

```
<!ELEMENT cn-evidence-reference (#PCDATA)>
```

```
<!ATTLIST cn-evidence-reference
```

```

idref IDREFS #REQUIRED
file CDATA #IMPLIED

```

>

<!--

单个附件的信息

属性

```

id  可用于文中交叉引用，建议取值为 ax001, ax002,等
doc-name  文件的名称
file-name  附件文件的文件名
size      附件文件的大小
date-produced  附件文件的日期，格式为 YYYYMMDD

```

-->

```
<!ELEMENT cn-accessory (#PCDATA | b | i | u | sup | sub | smallcaps | br | pre | crossref | figref | patcit | nplcit | bio-deposit | cn-law-reference | cn-notice-reference | cn-evidence-reference | cn-rule-reference)*>
```

```
<!ATTLIST cn-accessory
```

```

id ID #IMPLIED
doc-name C DATA #REQUIRED
file-name C DATA #REQUIRED
size CDATA #IMPLIED
date-produced CDATA #IMPLIED >

```

<!--

公告信息

-->

```
<!ELEMENT cn-publication-info (document-id, cn-pub-vol)>
```

<!--

公告卷期

-->

```
<!ELEMENT cn-pub-vol (#PCDATA)>
```

```
<!--  
    中国的省份  
-->  
<!ELEMENT cn-province (#PCDATA)>
```

附录 C
(规范性附录)
cn-patent-verdict-v1-0. dtd

<?xml version='1.0' encoding='UTF-8' ?>

<!ENTITY % name_group "((name | (prefix? , (last-name | orgname) , first-name? , middle-name? , suffix? , iid? , role? , orgname? , department? , synonym*)) , registered-number?)">

<!ENTITY % address_group "((address-1? , address-2? , address-3? , mailcode? , pobox? , room? , address-floor? , building? , street? , city? , county? , state? , postcode? , country) | text)">

<!--

```

*****
* cn-patent-verdict v1.0    2006 FEBRUARY                                *
*****
* PUBLIC "-//CN//PATENT ADJUDGE 1.0//EN" "cn-patent-verdict-v1-0.dtd"  *
*****
* http://www.sipo.gov.cn/standards/xml/cn-patent-verdict-v1-0.dtd      *
*****
* revision history                                                    *
*****

```

February 2006

..released version number as v1.0

```

*****
-->

```

<!--

```

*****
* SECTION I - DECLARATION, ENT. REFS, ISO sets, etc                    *
*****

```

-->

<!--

to include mathml2.dtd change MATHML2_DTD value to "INCLUDE", change
MATH_PLACEHOLDER value to "IGNORE", the same for the TABLE_DTD and
TABLE_PLACEHOLDER

INCLUDE

IGNORE

-->

<!ENTITY % UNICODE_PLANE1D_ESCAPE "IGNORE">

<!ENTITY % WIPO_ENT "IGNORE">

```

<!ENTITY % SIPO_ENT "IGNORE">
<!ENTITY % MATHML2_DTD "IGNORE">
<!ENTITY % TABLE_DTD "IGNORE">

<!ENTITY % MATH_PLACEHOLDER "INCLUDE">
<!ENTITY % TABLE_PLACEHOLDER "INCLUDE">

<![%UNICODE_PLANE1D_ESCAPE; [
  <!ENTITY % plane1D  "&#38;#38;#xE">
]]>
<![%WIPO_ENT;[

<!--
import character entity set.  Download from:
  http://pcteasy.wipo.int/efiling_standards/schemaDocs/wipo.ent

Note that nsgmls-based parsers (SP, Near & Far Designer, etc.)
may not be able to process this file for reasons described below
in MathML comments.
-->
<!ENTITY % wipo PUBLIC "-//WIPO//ENTITIES WIPO 1.0//EN" "wipo.ent">
%wipo;
]]>

<![%SIPO_ENT;[

<!--
import character entity set.  Download from:
  http://www.sipo.gov.cn/standards/xml/sipo.ent
-->
<!ENTITY % sipo PUBLIC "-//SIPO//ENTITIES SIPO 1.0//ZH" "sipo.ent">
%sipo;
]]>

<!--
*****
* INCLUDE COMPONENT DTDS (MATHML, OASIS EXCHANGE TABLE MODEL
*
*****
-->

<![%MATHML2_DTD; [

<!--

```

DTD MathML2: maintained by W3C. Download from:

<http://www.w3.org/TR/MathML2/DTD-MathML-20010221.zip>

If using nsgmls-based parser (SP, Near & Far Designer, etc.)

Uncomment 'mathml-charent-module' switch below or replace the Referenced MathML2 DTD with the version downloadable from:

<http://www.w3.org/Math/DTD/dtd-sp.zip>

This notice copied from: <http://www.w3.org/Math/DTD/>

"DTD for nsgmls

Some systems (including the popular nsgmls parser) may not be able to process files using 'plane 1' characters which have Unicode numbers higher than #xFFFF. The versions of the DTD provided here incorporate the modifications mentioned above, but the high characters are replaced by the equivalent mchar construct `<mchar name="..." />` this allows the DTD to be read and for MathML files to be validated using such systems."

-->

<!--

ENTITY % mathml-charent.module "IGNORE"

-->

<!ENTITY % MATHML.prefixed "IGNORE">

<!ENTITY % MATHML.xmlns "">

<!--

import MathML2 dtd

-->

<!ENTITY % mathml2 PUBLIC "-//W3C//DTD MathML 2.0//EN" "mathml2.dtd">

%mathml2;

]]>

<![%TABLE_DTD; [

<!--

DTD OASIS Open XML Exchange Table Model.

Maintained by OASIS; download from:

<http://oasis-open.org/specs/soextblx.dtd>

Note that the FPI in soextblx.dtd refers to itself as 'calstblx'.

That convention has been followed here.

-->

<!--

create content for title element in table


```

-->
<!ENTITY % title "<!ELEMENT title (#PCDATA | b | i | u | sup | sub | smallcaps)* > ">
%title;

<!--
  override OASIS Exchange <entry> model
-->
<!ENTITY % tbl.entry.mdl "(#PCDATA | b | i | u | sup | sub | smallcaps | br | patcit | nplcit | bio-deposit |
crossref | i mg | dl | ul | ol | c hemistry | maths | cn-evidence | cn-law-reference | cn-notice-reference |
cn-rule-reference | cn-evidence-reference | cn-accessory)* ">

<!--
  import OASIS Exchange model
-->
<!ENTITY % calstblx PUBLIC "-//OASIS//DTD XML Exchange Table Model 19990315//EN"
      "soextblx.dtd">
<!ENTITY % yesorno  "NMTOKEN" >
<!ENTITY % tbl.table.att  " pgwide  % yesorno;  #I MPLIED
      orient  ( port | land) #I MPLIED
      tabstyle N MTOKEN      # IMPLIED" >

%calstblx;
]]>

<![%MATH_PLACEHOLDER; [

<!--
  (PLACEHOLDER:w3c math dtd)
-->
<!ELEMENT math (#PCDATA)>
]]>

<![%TABLE_PLACEHOLDER; [

<!--
  (PLACEHOLDER:cals table dtd)
-->
<!ELEMENT table (#PCDATA)>
]]>

<!--
  *****
  * SECTION II - ELEMENTS defined by SIPO *
  *****
-->

```

```

<!--
法院判决书,
属性
verdict-type 指示了该判决是初审 ( first-instance ) 还是终审 ( second-instance ) 或是再 审
(review-instance)
appealed      指示了是否对该判决进行了上诉
holding-type  指示了该判决是维持 ( reaffirm ) 或撤销 ( overrule ) 原决定
reason-type   指示了该诉讼是由于行政程序问题 ( procedure ) 还是实体问题 ( substance ) 引起
的
-->
<!ELEMENT cn-patent-verdict (cn-court, cn-decision-number, cn-patent-info, cn-legal-file-numbers,
cn-legal-case-parties, cn-judges, cn-court-reporters, cn-verdict-detail, cn-verdict-date, cn-publication-info,
abstract*, keyword*, cn-accessories?, drawings?)>
<!ATTLIST cn-patent-verdict
    id          ID          #IMPLIED
    lang        C DATA  #R EQUARED
    dtd-version CDATA  #I MPLIED
    file        C DATA  # IMPLIED
    country     CDATA  #R EQUARED
    file-reference-id CDATA  # IMPLIED
    correction-code CDATA  #I MPLIED
    doc-number  CDATA  #I MPLIED
    kind        C DATA  #I MPLIED
    date-produced C DATA  #I MPLIED
    date-publ   C DATA  #I MPLIED
    status      CDATA  # IMPLIED
    verdict-type (first-instance | second-instance |review-instance) #REQUIRED
    appealed    (yes | no) #IMPLIED
    holding-type (reaffirm | overrule) #IMPLIED
    reason-type ( procedure | substance ) #IMPLIED
>

<!--
复审或无效宣告的决定号, 如第 4707 号
-->
<!ELEMENT cn-decision-number (#PCDATA)>

<!--
相关的专利案件的基本情况
-->
<!ELEMENT cn-patent-info (applicants?, assignees?, application-reference?, publication-reference,
invention-title,
    classification-ipc? , classifications-ipcr? , classification-national? , classification-locarno? ,

```

```

classification-udc?) >
<!ATTLIST cn-patent-info
  app-type (patent|utility|design|vlmi) #IMPLIED
>

<!--
法庭,如北京市第一中级人民法院行政厅可表示为
<cn-court>
<cn-courthouse level="中级" area="北京" num="1">
北京市第一中级人民法院
</cn-courthouse>
<cn-courtroom major="行政">
行政厅
</cn-courtroom>
</cn-court>
-->
<!ELEMENT cn-court ( cn-courthouse, cn-subbranch )>

<!--
法院
属性
  level 指示了该法院的级别, 初级(district)、中级(appeal)、高级(high)和最高(supreme)
  region 指示了该法院的地区, 如北京
  num 指示了该法院的编号
-->
<!ELEMENT cn-courthouse (#PCDATA)>
<!ATTLIST cn-courthouse
  level (district | appeal | high | supreme ) #REQUIRED
  area CDATA #REQUIRED
  num CDATA #IMPLIED
>

<!--
审判厅
属性 section 指示了该审判厅审理的案卷范围
-->
<!ELEMENT cn-subbranch (#PCDATA)>
<!ATTLIST cn-subbranch
  section CDATA #REQUIRED
>

<!--
判决书, 如 2003 年第 206、270 号, 表示为
<cn-legal-file-numbers>

```

```

<cn-legal-file-number year="2003" num="206" section="行政厅">
</cn-legal-file-number>
<cn-legal-file-number year="2003" num="207" section="行政厅">
</cn-legal-file-number>
</cn-legal-file-numbers>
-->
<!ELEMENT cn-legal-file-numbers (#PCDATA | cn-legal-file-number)*>
<!ELEMENT cn-legal-file-number EMPTY>
<!ATTLIST cn-legal-file-number
    year CDATA #REQUIRED
    num CDATA #REQUIRED
    section CDATA #REQUIRED
>

<!ELEMENT cn-legal-case-parties (cn-legal-plaintiffs, cn-legal-defendants, cn-legal-third-parties*)>

<!--
原告
-->
<!ELEMENT cn-legal-plaintiffs (cn-legal-plaintiff+)>

<!--
被告
-->
<!ELEMENT cn-legal-defendants (cn-legal-defendant+)>

<!--
原告
属性
    id 原告的唯一标识, 建议的取值为 acs001,acs002 等
    sequence 原告的次序, 如 sequence="1"
-->
<!ELEMENT cn-legal-plaintiff (cn-legal-litigant, cn-legal-attorneys)>
<!ATTLIST cn-legal-plaintiff
    id ID #IMPLIED
    sequence CDATA #REQUIRED
>

<!--
被告
属性
    id 被告的唯一标识, 建议的取值为 dft001,dft002 等
    sequence 原告的次序, 如 sequence="1"
-->

```

```
<!ELEMENT cn-legal-defendant (cn-legal-litigant, cn-legal-attorneys)>
```

```
<!ATTLIST cn-legal-defendant
```

```
  id ID #IMPLIED
```

```
  sequence CDATA #REQUIRED
```

```
>
```

```
<!--
```

```
  相关第三人
```

```
-->
```

```
<!ELEMENT cn-legal-third-parties (cn-legal-third-party+)>
```

```
<!--
```

```
  相关第三人
```

```
  属性
```

```
    id  相关第三人的唯一标识, 建议的取值为 rlt001,rlt002 等
```

```
    sequence 相关第三人的次序, 如 sequence="1"
```

```
-->
```

```
<!ELEMENT cn-legal-third-party (cn-legal-litigant, cn-legal-attorneys)>
```

```
<!ATTLIST cn-legal-third-party
```

```
  id ID #IMPLIED
```

```
  sequence CDATA #REQUIRED
```

```
>
```

```
<!--
```

```
  法律代理人
```

```
-->
```

```
<!ELEMENT cn-legal-attorneys (cn-legal-attorney+)>
```

```
<!--
```

```
  法律代理人
```

```
  属性
```

```
    id  法律代理人的唯一标识, 建议的取值为 agt001,agt002 等
```

```
    sequence 法律代理人的次序, 如 sequence="1"
```

```
-->
```

```
<!ELEMENT cn-legal-attorney (cn-sex?, addressbook+)>
```

```
<!ATTLIST cn-legal-attorney
```

```
  id ID #IMPLIED
```

```
  sequence CDATA #REQUIRED
```

```
>
```

```
<!--
```

```
  当事人
```

```
-->
```

```
<!ELEMENT cn-legal-litigant ((cn-sex?, cn-birthday?, residence?, addressbook+, cn-representative,
```

nationality?, cn-province?) | text)>

<!--

代表人

-->

<!ELEMENT cn-representative ((addressbook+) | text)>

<!--

审判员

-->

<!ELEMENT cn-judges (cn-judge+)>

<!--

审判员

属性

sequence 指示了审判员出现的次序, 如 sequence="1"

chief指示了该审判员是否为审判长, 缺省值为 no

deputy 指示了该审判员是否为代理审判员, 缺省值为 no

assistant 指示了该审判员是否为助理审判员, 缺省值为 no

-->

<!ELEMENT cn-judge (%name_group; , electronic-signature?)>

<!ATTLIST cn-judge

sequence CDATA #REQUIRED

chief(yes|no) #IMPLIED

deputy (yes|no) #IMPLIED

assistant (yes|no) #IMPLIED

>

<!--

书记员

-->

<!ELEMENT cn-court-reporters (cn-court-reporter+)>

<!--

书记员

属性

sequence 指示了书记员出现的次序, 如 sequence="1"

-->

<!ELEMENT cn-court-reporter (%name_group; , electronic-signature?)>

<!ATTLIST cn-court-reporter

sequence CDATA #REQUIRED

>

```

<!--
判决的正文
-->
<!ELEMENT cn-verdict-detail (doc-page+ | (cn-case-issue, cn-cognizance-of-fact, cn-verdict-opinion)
|(heading*, p+)+)>

<!--
案由
-->
<!ELEMENT cn-case-issue ((cn-complainant-opinion |cn-prb-opinion | cn-third-party-opinion)+ |
(cn-pre-verdict | cn-appellant-opinion | cn-appellee-opinion | cn-third-party-opinion)+ |(heading*, p+)+)>

<!--
原告意见
-->
<!ELEMENT cn-complainant-opinion (heading*, p+)+>

<!--
复审的意见
-->
<!ELEMENT cn-prb-opinion (heading*, p+)+>

<!--
一审判决（二审中引用）
-->
<!ELEMENT cn-pre-verdict (heading*, p+)+>

<!--
上诉人的意见
-->
<!ELEMENT cn-appellant-opinion (heading*, p+)+>

<!--
被上诉人的意见
-->
<!ELEMENT cn-appellee-opinion (heading*, p+)+>

<!--
第三人意见
-->
<!ELEMENT cn-third-party-opinion (heading*, p+)+>

<!--
事实的认定

```

-->

<!ELEMENT cn-cognizance-of-fact (heading*, p+)+>

<!--

判决的意见

-->

<!ELEMENT cn-verdict-opinion (cn-verdict-reasoning, cn-verdict-holding)>

<!--

判决的理由

-->

<!ELEMENT cn-verdict-reasoning (heading*, p+)+>

<!--

判决的内容

-->

<!ELEMENT cn-verdict-holding (heading*, p+)+>

<!--

判决日

-->

<!ELEMENT cn-verdict-date (date)>

<!--

附件清单

-->

<!ELEMENT cn-accessories (cn-accessory)+>

<!ELEMENT cn-sex (#PCDATA)>

<!ELEMENT cn-birthday (date)>

<!--

* SECTION III - ICEs referenced, defined in ST.36 *

-->

<!--

Title of the Invention:

(INID 54, ST.32:B540/B542)

Preferably two to seven words when in English or translated into English and precise. (Rule 4.3)

Recommended id = 'invt'

发明创造名称,(INID 54, ST.32:B540/B542)

属性 id 的取值建议为 invt,lang 语言用 WIPO ST.3 表示

-->

<!ELEMENT invention-title (#PCDATA | b | i | u | sup | sub)*>

<!ATTLIST invention-title id ID #IMPLIED
lang CDATA #IMPLIED >

<!--

Applicants information:

At least one of the applicants named must be a resident or national of a PCT Contracting State for which the receiving Office acts.

申请人列表

-->

<!ELEMENT applicants (applicant+)>

<!--

Applicant information:

(INID 71, ST.32:B710)

attributes for applicant

sequence : sequence number of each applicant
e.g, sequence="1"

app-type : applicant type

app-type="applicant" : the applicant is only applicant

app-type="applicant-inventor" : the applicant is also inventor

designation: This person is applicant for the purpose of:

designation="all" : all designated states

designation="all-except-us": all designated states except US

designation="us-only" : US only

designation="as-indicated" : the states indicated in

designated-states element

under applicant element

单个申请人信息(INID 71, ST.32:B710)

-->

<!ELEMENT applicant (addressbook+ , nationality , residence , us-rights* , designated-states? , designated-states-as-inventor?)>

<!ATTLIST applicant sequence CDATA #REQUIRED
app-type (applicant | applicant-inventor) #REQUIRED
designation (all | all-except-us | us-only | as-indicated) #REQUIRED >

<!--

Grantee/assignee information.

(INID 73 ST.32: B730)

专利权人列表(INID 73 ST.32: B730)

```
-->
<!ELEMENT assignees (assignee+)>

<!--
  Grantee/assignee information.
  (INID 73, ST.32:B730)
  单个专利权人信息(INID 73 ST.32: B730)
-->
<!ELEMENT assignee (%name_group; | addressbook)>

<!--
  This person is successor to the rights of an inventor who is deceased, insane, or
  legally incapacitated, for the purposes of the designation of the United States
  of America
-->
<!ELEMENT us-rights (#PCDATA)>

<!ATTLIST us-rights  to -dead-inventor CDATA  #REQUIRED
                    kind                ( heir |
                                         heiress |
                                         executor |
                                         executrix |
                                         estate |
                                         legal-representative |
                                         administrator |
                                         administratrix |
                                         legal-representatives |
                                         heirs |
                                         executors |
                                         legal-heirs ) # REQUIRED >

<!--
  Rule 4.6(c):
  "The request may, for different designated states, indicate different persons
  as inventors where, in this respect, the requirements of the national laws of
  the designated States are not the same. In such a case, the request shall
  contain a separate statement for each designated State or group of States in
  which a particular person, or the same person, is to be considered the
  inventor, or in which particular persons, or the same persons, are to be
  considered the inventors."
-->
<!ELEMENT designated-states-as-inventor (country* , (region , country+)*)>

<!--
```

Indication of specific Contracting States in or for which the applicant is seeking protection for his invention

(Rule 4.9(a))

-->

<!ELEMENT designated-states (country* , (region , country+)*)>

<!--

ADDRESSBOOK GROUP:

Holds name and contact information for individuals/organizations

The LANG attribute is REQUIRED for certain document types, e.g., the JPO PCT Request where names and addresses may be repeated in two different languages. If no structure possible use text.

用于联系个人或者组织的地址、名称等信息

-->

<!ELEMENT addressbook ((%name_group; , address , phone* , fax* , email* , url* , ead* , dtext?) | text)>

<!ATTLIST addressbook i d ID #IMPLIED
lang CDATA #IMPLIED >

<!--

Universal Decimal Classification.

(INID 53, ST.32:B530)

-->

<!ELEMENT classification-udc (#PCDATA)>

<!ATTLIST classification-udc i d ID #IMPLIED >

<!--

Locarno Classification data;

洛迦诺分类

-->

<!ELEMENT classification-locarno (edition , main-classification , further-classification* , text?)>

<!ATTLIST classification-locarno i d ID #IMPLIED >

<!--

Domestic or national classification.

(INID 52, ST.32:B520)

国家分类(INID 52, S T.32:B520)

-->

<!ELEMENT classification-national (country , e dition? , m ain-classification , further-classification* , (additional-info | linked-indexing-code-group | unlinked-indexing-code)* , text?)>

<!ATTLIST classification-national i d ID #IMPLIED >

<!ELEMENT classifications-ipcr (classification-ipcr+)>

<!ATTLIST classifications-ipcr i d ID # IMPLIED >

<!--

International Patent Classification (IPC) data;

-->

<!ELEMENT classification-ipcr ((ipc-version-indicator , classification-level? , section , subclass , main-group? , subgroup? , symbol-position? , classification-value? , action-date? , generating-office? , classification-status? , classification-data-source?) | text)>

<!ATTLIST classification-ipcr i d ID # IMPLIED
sequence CDATA # IMPLIED >

<!--

Classification code; e.g., ipc, dewey etc.

分类号, 如 IPC、德温特分类等

-->

<!ELEMENT class (#PCDATA)>

<!ATTLIST class c lass-type CDATA #IMPLIED >

<!--

International Patent Classification (IPC) data;

(INID 51, ST.32:B510)

国际分类号 IPC(INID 51, S T.32:B510)

-->

<!ELEMENT classification-ipc (edition , main-classification , further-classification* , (additional-info | linked-indexing-code-group | unlinked-indexing-code)* , text?)>

<!ATTLIST classification-ipc i d ID # IMPLIED >

<!--

Further/secondary classification

(ST.32:B512/B522)

-->

<!ELEMENT further-classification (#PCDATA)>

<!ATTLIST further-classification id I D # IMPLIED
sequence CDATA #IMPLIED >

<!--

Application reference information: application number, country

(INID 21, ST.32:B210)

对专利申请的引用: 申请号, 国家(INID 21, ST.32:B210)

-->

<!ELEMENT application-reference (document-id)>

```
<!ATTLIST application-reference id ID #IMPLIED
                                appl-type CDATA #REQUIRED >
```

```
<!--
```

Publication reference information: publication number, date, etc

(INID 11, ST.32:B110)

对专利公开的引用：公开号、公开日等(INID 11, ST.32:B110)

```
-->
```

```
<!ELEMENT publication-reference (document-id)>
```

```
<!ATTLIST publication-reference id ID #IMPLIED >
```

```
<!--
```

Document identification refers to patents (and patent applications) only.

See WIPO ST.14

专利文档标识. 见 WIPO ST.14

```
-->
```

```
<!ELEMENT document-id (country , doc-number , kind? , name? , date?)>
```

```
<!ATTLIST document-id lang CDATA #IMPLIED >
```

```
<!--
```

Name:

If no distinction or detail can be given.

Also to be used for: personal (natural person) and corporate (legal entity) names

名称 可以是机构或者自然人的名称

```
-->
```

```
<!ELEMENT name (#PCDATA)>
```

```
<!ATTLIST name name-type (legal | natural ) #IMPLIED >
```

```
<!--
```

doc-page - DOCUMENT or PAGE

This is primarily to be used when data for the whole or major sections of an application are in image format OR other formats such as pdf.

Page range attributes are given when required

pp - page range

ppf - first page

ppl - last page (for pdf).

The 'img' may also be used for complete pages, e.g. in drawings

Recommended id = docp0001, docp0002, etc.

文档页，主要使用在所有或者大部分的数据都是以图像格式或是诸如 PDF 等格式存储的情况下。
"img"也可以是整个文档页，如附图。

建议属性 id 取值为 docp01, docp02 等。

-->

<!ELEMENT doc-page EMPTY>

```
<!ATTLIST doc-page id ID #IMPLIED
                he CDATA #REQUIRED
                wi CDATA #REQUIRED
                type (jpg|pdf|tif) #REQUIRED
                alt CDATA #IMPLIED
                pp CDATA #IMPLIED
                ppf CDATA #IMPLIED
                ppl CDATA #IMPLIED
                file CDATA #REQUIRED
                ocr CDATA #IMPLIED
                color (color|bw) #IMPLIED
                orientation (portrait|landscape) 'portrait' >
```

<!--

Paragraph

Recommended id = p0001, p0002, etc. num = 0001, 0002, etc.

Note: paragraphs may occur in sections other than the description and at different times eg. for the abstract, in this case use for example "p0001a"; amended claims: "p0001ac", etc.

段落

属性 id 建议取值为 p01, p02 等

属性 num 建议取值为 001, 002 等

注意：段落可以重复出现在说明书以外的部分，如摘要之中，在这种情况下 id 用 p0001a；如在更正后的权项中，id 用 p0001ac；诸如此类。

-->

```
<!ELEMENT p (#PCDATA | b | i | u | sup | sub | smallcaps | br | pre | dl | ul | ol | crossref | figref | patcit | nplcit | bio-deposit | img | chemistry | maths | tables | table-external-doc | cn-evidence | cn-law-reference | cn-notice-reference | cn-evidence-reference | cn-rule-reference | cn-accessory)*>
```

```
<!ATTLIST p id ID #IMPLIED
                num CDATA #REQUIRED >
```

<!--

Term to be defined

Recommended id = dtrm0001, dtrm0002, etc.

被定义的术语，属性 id 建议取值为 dtrm01, dtrm02 等

-->

```
<!ELEMENT dt (#PCDATA | b | i | u | sup | sub | smallcaps)*>
```

<!ATTLIST dt i d ID # IMPLIED >

<!--

Unordered Lists

list-style may be empty for lists with no bullet or other symbol default

list-style is 'bullets'

Recommended id = ulis0001, ulis0002, etc.

无序列表

属性 list-style 可以为空, 缺省为'bullets'

属性 id 建议取值为 ulis01, ulis02 等

-->

<!ELEMENT ul (li+)>

<!ATTLIST ul co mpact (compact) # IMPLIED

list-style (bullet | dash | none) 'bullet'

id ID # IMPLIED >

<!--

List item

Recommended id = list0001, list0002, etc.

列表表项, 属性 id 建议取值为 list01, list02 等

-->

<!ELEMENT li (#PCDATA | b | i | u | sup | sub | smallcaps | br | pre | patcit | nplcit | bio-deposit | crossref | figref | img | dl | ul | ol | chemistry | maths | cn-evidence | cn-law-reference | cn-notice-reference | cn-evidence-reference | cn-rule-reference | cn-accessory)*>

<!ATTLIST li n um CDATA # IMPLIED

id ID # IMPLIED >

<!--

References a stand-alone table authored with the table-external DTD.

引用的外部表格文件

-->

<!ELEMENT table-external-doc (#PCDATA)>

<!ATTLIST table-external-doc i d ID # IMPLIED

| | |
|---------------|---|
| file | CDATA # REQUIRED |
| lang | CDATA #IMPLIED |
| carriers | (internal-electronic external-electronic paper) #IMPLIED |
| external-type | (math chemistry |

```

                                program-listing |
                                other ) #IMPLIED
                                status          C DATA #IMPLIED >
<!--
  TABLES
  This is image data or coded according to OASIS Exchange model with modified cell
  'entry' content.

  Recommended id = tabl0001, tabl0002, etc.
  表格，可以是图像数据，也可以是根据 OASIS Exchange model 编制的表格
  属性 id 建议取值为 tabl01, tabl02 等
-->
<!ELEMENT tables (img | table)>

<!ATTLIST tables  n um CDATA #REQUIRED
                  id ID # IMPLIED >
<!--
  MATHEMATICS
  This is image data or coded according to mathml, version 2

  Recommended id = math0001, math0002, etc.
  数学公式
  可以使用图像数据表示，也可以使用根据 mathml 的 XML 结构数据
  属性 id 建议取值为 math01, math02 等
-->
<!ELEMENT maths (img | (math , img?))>

<!ATTLIST maths  n um CDATA #REQUIRED
                  id ID # IMPLIED >
<!--
  Chemistry
  Chemical formulae, ring structures, Markush structures, etc.

  For now treat as image data.
  Depending on industry support we may use, e.g., chemML, CML later

  Recommended id = chem0001, chem0002, etc
  化学公式、方程式、结构式等
  可以作为图像数据处理，也可以使用外部独立化学式（使用 chemML、CML 等 XML 结构）
  属性 id 建议取值为 chem01, chem02 等
-->
<!ELEMENT chemistry (img | (chem , img?))>

<!ATTLIST chemistry  n um CDATA #REQUIRED

```



```

        id ID #IMPLIED >
<!--
  This is a pointer to an external DTD for chemical markup - to be determined.
  For EPO probably CML; http://www.xml-cml.org/
-->
<!ELEMENT chem EMPTY>

<!ATTLIST chem  chem-type CDATA #IMPLIED
               file CDATA #REQUIRED
               id ID #IMPLIED >
<!--
  Biological deposit citation (US EFS: biological-deposit)
  (INID 83, ST.32:B830)
  According to PCT Rule 13bis, EPC Rule 28
  This covers all bio data references long and short within the description and/or
  claims

  Recommended id = biod0001, biod0002, etc.
  微生物样本保藏有关信息
  属性 id 建议取值为 biod0001, biod0002 等
-->
<!ELEMENT bio-deposit (depository , bio-accno , date? , term? , dtext?)>

<!--
  Ordered Lists:
  attribute 'ol-style'

  Recommended use:
  1 arabic numbers 1, 2, 3, ...
  a lower alpha a , b, c, ...
  A upper alpha A, B, C, ...
  i lower roman i, ii, iii, ...
  I upper roman I , II, III, ...
  有序列表:
  属性'ol-style' - 建议值及含义如下:
  1 阿拉伯数字 1, 2, 3, ...
  a 小写字母 a, b, c, ...
  A 大写字母 A, B, C, ...
  i 小写罗马字母 i, ii, iii, ...
  I 大写罗马字母 I, II, III, ...
-->
<!ELEMENT ol (li+)>

<!ATTLIST ol  ol-style CDATA #IMPLIED

```

```
compact ( compact ) # IMPLIED
id      ID      #IMPLIED >
```

<!--

Image data

Image is used for any kind of image: art work, figures, complex work units (math, tables, chemistry), etc.

Recommended:

```
id          = i0001, i0002, etc.
he, wi     = "11" - milimeters - height, width;
file       = file name,location; label - not used;
alt        = alternate text if image not shown;
img-content = drawing is the default;
img-format = common will be tiff, st33 and st35 in for backward compatilby
            and, later, publication.
orientation = orientation of the image (portrait | landscape).
            Default is portrait
inline     = (yes | no).
            Whether the image is to be presented inline or separated by line
            breaks. Default is no.
```

图像数据

图像数据可以是绘画、图形或者复杂的元素（数学式、表格、化学式）等建议属性取值:

```
id      = i01, i02 等
he, wi = "11" - 以毫米为单位 - 高, 宽;
file   = 文件名和位置;
label  - 未使用;
alt    = 图像不显示时的替代文字
img-content = 缺省为 drawing;
img-format = 图像格式, 通常为 tiff、st33 或 st35
orientation = 图像的方向 (portrait | landscape). 缺省为 portrait
inline = (yes | no). 图像是否为行内图. 缺省为 no
```

-->

<!ELEMENT img EMPTY>

```
<!ATTLIST img  i nline    ( yes | no ) 'no'
                orientation ( portrait | landscape ) 'portrait'
                img-format ( jpg | tif | st33 | st35 ) #R EQUURED
                img-content ( drawing |
                            photograph |
                            character |
                            dna |
                            undefined |
                            chem |
```

```

        table |
        math |
        program-listing |
        flowchart ) 'drawing'
alt      CDATA # IMPLIED
file     CDATA # REQUIRED
wi       CDATA # REQUIRED
he       CDATA # REQUIRED
id       ID      #IMPLIED >
<!--
  A reference to a figure;
  e.g., "...as shown in <figref idref='f0001'>figure<b>1</b></figref>..."

  对一幅图形/图像的引用
  如"...as shown in <figref idref='f0001'>figure<b>1</b></figref>..."
-->
<!ELEMENT figref (#PCDATA | b | i | u | sup | sub | smallcaps)*>

<!ATTLIST figref  n um      CDATA      # IMPLIED
                  idref IDREFS  #IMPLIED >
<!--
  Cross reference to any other element with an identifier (id)
  具有 id 属性的其他元素的引用
-->
<!ELEMENT crossref (#PCDATA | b | i | u | sup | sub | smallcaps)*>

<!ATTLIST crossref  i dref IDREF  # REQUIRED >
<!--
  This element is one method to identify content consisting of text objects that
  require preservation (pre) of their whitespace in order to preserve internal
  logical relationships.
  (e.g., sequence listing fragments, computer program listings)
  保持原有格式（包括换行、空格等），属性 listing-type 表示了该结构的内容是什么数据
  如基因序列片断、程序清单等
-->
<!ELEMENT pre (#PCDATA)>

<!ATTLIST pre  lis ting-type (sequence | program-listing | other) #REQUIRED
              xml:space      (preserve | default) #IMPLIED
              id              ID #IMPLIED >
<!--
  Heading text; see Rule 5.  Recommended id = h0001, h0002, etc.
  标题文本; 建议 id 取值为 h01, h02 等，属性 level 表示标题的层次
-->

```

<!ELEMENT heading (#PCDATA | b | i | u | sup | sub | smallcaps)*>

<!ATTLIST heading id ID #IMPLIED
level (1 | 2 | 3) #IMPLIED >

<!--

Definition list

Recommended id = ddis0001, ddis0002, etc.

定义（术语）列表, 建议 id 取值为 ddis01, ddis02 等

-->

<!ELEMENT dl (dt , dd)+>

<!ATTLIST dl id ID # IMPLIED
compact (compact) # IMPLIED
tsize CDATA #IMPLIED >

<!--

Definition description

定义的内容（定义列表中使用）

-->

<!ELEMENT dd (#PCDATA | b | i | u | sup | sub | smallcaps | br | pre | patcit | nplcit | bio-deposit | crossref |
figref | img | ul | ol | chemistry | maths | cn-evidence | cn-law-reference | cn-notice-reference |
cn-evidence-reference | cn-rule-reference | cn-accessory)*>

<!--

Bold formatting for text

粗体文本

-->

<!ELEMENT b (#PCDATA | i | u | smallcaps)*>

<!--

Italic formatting for text

斜体文本

-->

<!ELEMENT i (#PCDATA | b | u | smallcaps)*>

<!--

Underscore: style - single is default

下划线: 缺省为单线 single

-->

<!ELEMENT u (#PCDATA | b | i | smallcaps)*>

<!ATTLIST u style (single | double | dash | dots) 'single' >

<!--

Small capitals

小的大写字母

-->

<!ELEMENT smallcaps (#PCDATA | b | u | i)*>

<!--

Subscripted text

下标文本

-->

<!ELEMENT sub (#PCDATA | b | u | i | sup2 | sub2)*>

<!--

Superscripted text

上标文本

-->

<!ELEMENT sup (#PCDATA | b | u | i | sup2 | sub2)*>

<!--

Subscripted text

下标文本

-->

<!ELEMENT sub2 (#PCDATA | b | u | i)*>

<!--

Superscripted text

上标文本

-->

<!ELEMENT sup2 (#PCDATA | b | u | i)*>

<!--

br - break, line break within a paragraph

段内换行

-->

<!ELEMENT br EMPTY>

<!--

Identifies the period of time during which the depository must be able to furnish samples of the biological material.

微生物样本保藏期限

-->

<!ELEMENT term (#PCDATA)>

<!--

Biological accession number:

(ST.32:B831)

The identification assigned to the biological material by the depository
微生物样本保藏编号(ST.32:B831)

-->

<!ELEMENT bio-accno (#PCDATA)>

<!--

Information regarding the facility storing the biological deposit.
(ST.32:B832)

微生物样本保藏地点的信息(ST.32:B832)

-->

<!ELEMENT depository (#PCDATA | address)*>

<!--

ABSTRACT: PCT Rule 8
(INID 57, ST.32:B570)

A concise summary of the disclosure, 50-150 words.

Recommended id = 'abst' or 'abst0001' for multiple abstracts

-->

<!ELEMENT abstract (doc-page+ | (abst-problem , abst-solution) | p+)>

<!ATTLIST abstract i d ID #IMPLIED
lang CDATA #IMPLIED
status CDATA #IMPLIED >

<!--

The solution to the alleged problem that the invention purports to solve.

Recommended id = 'abss'

-->

<!ELEMENT abst-solution (p+)>

<!ATTLIST abst-solution i d ID #IMPLIED >

<!--

The alleged problem that the invention purports to solve

Recommended id = 'absp'

-->

<!ELEMENT abst-problem (p+)>

<!ATTLIST abst-problem i d ID #IMPLIED >

<!-- CITATION -->

```

<!--
  Reference to other documents, either patent literature (patcit)
  or non-patent literature (nplcit)

  Recommended id = 'cit0001', 'cit0002', etc.
  对其他文档的引用，包括专利文献(patcit)或非专利文献(nplcit)等
  属性 id 建议的取值为'cit0001', 'cit0002'等
-->
<!ELEMENT citation ((patcit | nplcit) , corresponding-docs* , rel-passage* , category* , rel-claims* ,
classification-ipc? , classifications-ipcr? , classification-national?)>

<!ATTLIST citation id          I   D          #IMPLIED
                    srep-phase CDATA  #IMPLIED >

<!--
  Patent family and corresponding-docs
  专利同族和相关文献
-->
<!ELEMENT corresponding-docs (document-id | nplcit)*>

<!--
  Other citations - free form
  其他引用文献，自由格式
-->
<!ELEMENT othercit (#PCDATA | b | i | u | sup | sub)*>

<!--
  Relevant passage group within patent; most used in search reports
  - use text in abstract, description and claims
  专利引用文献中相关的若干段落
-->
<!ELEMENT rel-passage (text | (passage+ , category* , rel-claims*)+)>

<!--
  Relevant claims
  相关的权利要求项
-->
<!ELEMENT rel-claims (#PCDATA)>

<!--
  Category
  (ST.32:B563)
  类别(ST.32:B563)
-->
<!ELEMENT category (#PCDATA)>

```

<!--

Passage within the cited patent literature

专利引用文献中的段

-->

<!ELEMENT passage (#PCDATA)>

<!--

Non-Patent Literature (NPL) CITation;

Notes:

This can be free text data without any structure (#PCDATA) which is NOT recommended

or it can be highly structured data which is marked up according to ST.14 and ISO 690 layout;

This part of the DTD has used many different sources for element names and DTD structure and reference:

AACR2 / MARC

ISO 12083 - Electronic manuscript prep. and markup. DTD

Association of American Publishers (AAP) Z39.59 DTD

European Working Group for SGML (EWS) MAJOUR DTD

SuperJournal Full Article DTD

www.superjournal.ac.uk/sj

Elsevier DTD

Medline DTD (NLM)

Attributes (recommended):

id - ncit0001, ncit0002, etc

num - 0001, 0002

npctype - The TYPE of citation is office specific (recommended):;

A - Abstract citation of no specific kind

B - Book citation

I - Biological abstract citation

C - Chemical abstracts citation

E - Database citation

D - Derwent citation

P - Patent cited within NPL group

J - Patent Abstracts of Japan citation (REC 067)

S - Serial / Journal / Periodical citation

W - World Wide Web / Internet search citation

medium - the type of medium

e.g., CD (CD-ROM), MT (Magnetic Tape), DISK, ONLINE

file - file name on local systems eg. XP number in EPO

url - where possible give full web link to document

非专利引用文献

注意:

非专利文献的引用也可以全部用无结构的文本来描述, 但是建议不要这样做, 建议采用以下根据 ST.14 和 ISO690 标准定义的高度格式化的描述方式。

这部分 DTD 使用了许多不同来源的元素名、DTD 结构和引用, 包括:

AACR2 / MARC

ISO 12083 - 电子手稿标记 DTD

美国出版联盟 (Association of American Publishers —— AAP) Z39.59 DTD

欧洲 SGML 工作组 (European Working Group for SGML —— EWS) MAJOUR DTD

SuperJournal 全文 DTD www.superjournal.ac.uk/sj

Elsevier DTD

Medline DTD (NLM)

属性的建议:

id - ncit1, ncit2, etc

num - 0001, 0002

type :

A - 不属于特殊类型的摘要引用 Abstract citation of no specific kind

B - 书籍引用 Book citation

I - 生物摘要引用 Biological abstract citation

C - 化学摘要引用 Chemical abstracts citation

E - 数据库引用 Database citation

D - 德文特引用 Derwent citation

P - 非专利文献中引用的专利 Patent cited within NPL group

J - 日本引用的专利摘要 Patent Abstracts of Japan citation (REC 067)

S - 期刊杂志引用 Serial / Journal / Periodical citation

W - 互联网检索引用 World Wide Web / Internet search citation

medium - 介质类型, 如 CD (CD-ROM), MT (磁带 Magnetic Tape), DISK, ONLINE

file - 本地系统中的文件名, 如 EPO 中的 XP number

url - 连接到该文献的 URL

-->

<!ELEMENT nplcit (text | article | book | online | othercit)>

```
<!ATTLIST nplcit  id      ID          #IMPLIED
                  num     C  DATA  #IMPLIED
                  lang    CDATA  #IMPLIED
                  file     CDATA  #IMPLIED
                  npl-type CDATA  #IMPLIED
                  medium   C  DATA  #IMPLIED
                  url      CDATA  #IMPLIED >
```

<!--

Online citation

Revised according to ISO-690-2 - Electronic documents and parts thereof.

Please refer to this standard for definitions and examples.

See: <http://www.nlc-bnc.ca/iso/tc46sc9/standard/690-2e.htm#Contents>

The tagging in fact is a mixture of article and book tags together with specific electronic source tags.

'Online' is taken to mean any kind of electronic documentation:

databases, internet, CD-Roms, DVD, email, etc

EXAMPLES.;

Kirk-Othmer Encyclopedia of Chemical Technology [online].

3rd ed. New York : John Wiley, 1984 [cited 3 January 1990].

Available from: DIALOG Information Services, Palo Alto (Calif.).

```
<nplcit id='ncit1' num='0001' type='E' medium='online'>
  <online>
    <online-title>Kirk-Othmer Encyclopedia of Chemical Technology
  </online-title>
    <edition>3rd ed.</edition>
    <imprint>
      <address>
        <text>New York</text>
      </address>
      <name>John Wiley</name>
      <pubdate>19840000</pubdate>
    </imprint>
    <avail>dialog information services, palo alto (calif.).</avail>
    <datecit>
      <date>19900103</date>
    </datecit>
  </online>
</nplcit>
```

* Article on Internet:

Clark, Carol. On the Threshold of a Brave New World.

In Blueprint of the Body [online].

CNN.com, 2000. [cited 24 August 2000;10:25 EST]. In-depth specials.

Available from: [<http://www.cnn.com/SPECIALS/2000/genome/story/overview/>]

```
<nplcit id='ncit1' num='0002' type='E' medium='online'>
  <online>
    <author>
      <name>Clark, Carol</name>
    </author>
    <online-title>On the Threshold of a Brave New World</online-title>
```

```

<imprint>
  <name>CNN.com, 2000</name>
</imprint>
<series>
  <text>In-depth specials</text>
</series>
<avail>http://www.cnn.com/SPECIALS/2000/genome/story/</avail>
<datecit>
  <date>20000824; 10:25 est</date>
</datecit>
</online>
</nplcit>

```

* Personal communication (e-mail)

Thacker, Jane. MPEG-21 project stream on digital item identification [online].

Message to: [iso.tc46.sc9@nlc-bnc.ca]. 3 October 2000; 13:33 EST [cited 6 October 2000; 13:10 EST].

Message-ID: [002f01c02d60\$051a64a0\$22a2580c@vaio]. Personal communication.

```

<nplcit id='ncit3' num='0003' type='E' medium='online'>
  <online>
    <author>
      <name>Thacker, Jane</name>
    </author>
    <online-title>MPEG-21 project stream on digital item identification
    </online-title>
    <subname>
      <name>Message to: <iso.tc46.sc9@nlc-bnc.ca></name>
    </subname>
    <pubdate>3 October 2000; 13:33 EST</pubdate>
    <notes>Personal communication</notes>
    <avail>Message-ID: <002f01c02d60$051a64a0$22a2580c@vaio></avail>
    <datecit><date>6 october 2000; 13:10 EST</date></datecit>
  </online>
</nplcit>

```

网上电子文件有关信息

-->

```

<!ELEMENT online (text | (author* , online-title* , hosttitle? , subname* , edition? , (serial | book)? ,
imprint? , pubdate? , history? , series? , hostno? , location? , notes? , avail , class* , keyword* , cpyrt? ,
issn? , isbn? , datecit? , srchterm* , srchdate? , refno*))>

```

<!--

Date of search/retrieval Y YYYYMMDD

检索日 YYYYMMDD
 -->
 <!ELEMENT srchdate (date)>

<!--
 Search terms
 检索词
 -->
 <!ELEMENT srchterm (#PCDATA)>

<!--
 Date cited - date on which the citation was cited.
 May be different from srchdate below
 引用日期，可以和检索日不同
 -->
 <!ELEMENT datecit (date)>

<!--
 Availability and access - REQUIRED use for URL, online database, ftp address,
 email, etc.;
 e.g., Available from Internet: <http://www.epoline.org>
 Available from DIALOG Information Systems, Palo Alto (Calif.)
 可用性和访问方法，要求使用 URL、在线数据库、FTP 地址、EMAIL 等。
 -->
 <!ELEMENT avail (#PCDATA)>

<!--
 Numeration within host document
 在文档集中的标号
 -->
 <!ELEMENT hostno (#PCDATA)>

<!--
 History of the article (not serial)
 论文的历史信息
 -->
 <!ELEMENT history (text | (received | accepted | revised | misc))>

<!--
 Miscellaneous information relating to the history of the article; see ISO 12083
 论文的其他历史信息，参见 ISO 12083
 -->
 <!ELEMENT misc (#PCDATA | date)*>

```
<!--
  Date article was revised
  论文修订日
-->
<!ELEMENT revised (date)>
```

```
<!--
  Date article was accepted
  论文被采纳日
-->
<!ELEMENT accepted (date)>
```

```
<!--
  Date article was received
  论文收到日
-->
<!ELEMENT received (date)>
```

```
<!--
  Title of the host document/database
  数据库或者文档集标题
-->
<!ELEMENT hosttitle (#PCDATA)>
```

```
<!--
  The title of the electronic resource
  电子资源标题
-->
<!ELEMENT online-title (#PCDATA)>
```

```
<!--
  Article citations within a 'host' document
```

After patent citations the most common citations are articles within serials (periodicals, magazines), books and electronic (eg. internet) sources. This is a very complex and varied area to standardise. The tag set below is drawn from a number of sources as is the order of the tags (which in any case can be changed depending on the stylesheet used).;

The order of tags is that of WIPO ST.14 / ISO 690 layout.

DROP, J.G. Integrated Circuit Personalization at the Module Level. IBM Tech. Dis. Bull. October 1974, Vol. 17, No. 5, p. 1344 and 1345.
[XPnnnnnnnnnn].

```

<nplcit id='ncit1' num='0012' type='S' file='XP1234456'>
  <article>
    <author>
      <name>DROP, J.G.</name>
    </author>
    <atl>Integrated Circuit Personalization at the Module Level</atl>
    <serial>
      <sertitle>IBM Tech. Dis. Bull.</sertitle>
      <pubdate>19741000</pubdate>
      <vid>17</vid>
      <ino>5</ino>
    </serial>
    <location>
      <pp>1344 and 1345</pp>
    </location>
    <refno id='XP1'>XP1234456</refno>
  </article>
</nplcit>

```

Note: it is NOT expected that the applicant will create the tagged data
 - it can be generated from a 'pull down' data entry form (eg. in Word) or
 generated from internal SR databases

论文

-->

```

<!ELEMENT article (text | (author* , atl? , subname* , (serial | book) , absno? , location? , class* ,
keyword* , cpyrt? , artid? , refno*))>

```

<!--

Article unique ID - assigned by a publisher to an article
 论文出版者给论文的唯一编号

-->

```

<!ELEMENT artid (#PCDATA)>

```

<!--

Book citation

In the order specified by WIPO ST.14 and ISO 690 and AACR2 rules for layout

WALTON, Herrmann. Microwave quantum theory.
 London : Sweet and Maxwell, 1973. ISBN 0123456789.
 Vol.2, p. 138 to 192.

```

<nplcit id='ncit12' num='0013' type='b'>
  <book>
    <author>

```

```

    <name>WALTON, Herrman</name>
  </author>
  <book-title>Microwave quantum theory</book-title>
  <imprint>
    <address>
      <text>London</text>
    </address>
    <name>Sweet and Maxwell</name>
    <pubdate>19730000</pubdate>
  </imprint>
  <location>
    <pp>138 to 192</pp>
  </location>
  <isbn>0-1234-568-9</isbn>
</book>
</nplcit>
书籍的描述
-->
<!ELEMENT book (text | (author* , (book-title+ | conference) , (subtitle? , subname* , edition? , imprint? ,
descrip? , series? , absno? , location* , isbn* , pubid? , vid? , bookno? , notes? , class* , keyword* , cpyrt? ,
refno*)))>

<!--
  Keyword; e.g., from a Thesaurus or class. scheme
  (ST.32:B550)
  关键词(ST.32:B550)
-->
<!ELEMENT keyword (#PCDATA)>

<!--
  Book number
  书号
-->
<!ELEMENT bookno (#PCDATA)>

<!--
  Location within the cited work
  引用文献中的位置描述
-->
<!ELEMENT location (text | (serpart? , sersect? , chapter? , pp? , column? , para? , line?))>

<!--
  Referenced line within cited work
  引用文献中被引用的行号（范围）

```

```

-->
<!ELEMENT line (#PCDATA | linef | line)*>

<!--
  Cited document line, last
  结束行
-->
<!ELEMENT linef (#PCDATA)>

<!--
  Cited document line, first
  开始行
-->
<!ELEMENT linef (#PCDATA)>

<!--
  Referenced paragraph within cited work
  文献内的段
-->
<!ELEMENT para (#PCDATA | paraf | paral)*>

<!--
  Cited paragraph, last
  结束段
-->
<!ELEMENT paral (#PCDATA)>

<!--
  Cited paragraph, first
  开始段
-->
<!ELEMENT paraf (#PCDATA)>

<!--
  Cited document column numbers
  栏
-->
<!ELEMENT column (#PCDATA | colf | coll)*>

<!--
  Cited document column, last
  结束栏
-->
<!ELEMENT coll (#PCDATA)>

```



```
<!--  
    Cited document column, first  
    开始栏  
-->  
<!ELEMENT colf (#PCDATA)>  
  
<!--  
    Cited document page numbers  
    引用的页码（范围）  
-->  
<!ELEMENT pp (#PCDATA | ppf | ppl)*>  
  
<!--  
    Cited document page, last  
    结束页  
-->  
<!ELEMENT ppl (#PCDATA)>  
  
<!--  
    Cited document page, first  
    开始页  
-->  
<!ELEMENT ppf (#PCDATA)>  
  
<!--  
    Chapter; e.g., in a book. Example: Chapter 2  
    章，如第二章  
-->  
<!ELEMENT chapter (#PCDATA)>  
  
<!--  
    Serial section  
    连载的节  
-->  
<!ELEMENT sersect (#PCDATA)>  
  
<!--  
    Part within a serial  
    连载的部分  
-->  
<!ELEMENT serpart (#PCDATA)>  
  
<!--
```

Abstract number
摘要号
-->
<!ELEMENT absno (#PCDATA)>

<!--
Series statement
丛书说明
-->
<!ELEMENT series (text | (mst , msn? , issn?))>

<!--
Monographic series number
专题论文集编号
-->
<!ELEMENT msn (#PCDATA)>

<!--
Monographic series title
专题论文集名称
-->
<!ELEMENT mst (#PCDATA)>

<!--
Book subtitle
书籍的副标题
-->
<!ELEMENT subtitle (#PCDATA)>

<!--
CONFERENCE GROUP / CITATION
There is no standard way of citing conference proceedings; date of the conf. may
come before or after place, for example. The tags are specified in a set order
where it is not possible or correct then simply use <text>
会议的有关信息
-->
<!ELEMENT conference (text | (conftitle , date? , confno? , confplace? , confsponsor*))>

<!--
Conference sponsor
会议的发起人
-->
<!ELEMENT confsponsor (#PCDATA | addressbook)*>

```

<!--
  Conference place
  会议地点
-->
<!ELEMENT confplace (#PCDATA | address)*>

<!--
  Conference number
  会议号
-->
<!ELEMENT confno (#PCDATA)>

<!--
  Conference title
  会议主题
-->
<!ELEMENT conftitle (#PCDATA)>

<!--
  The title of the cited book
  引用书籍的标题
-->
<!ELEMENT book-title (#PCDATA)>

<!--
  Serial citation data:
  This describes the volume or issue as a whole and not a particular article within
  it.
  期刊引用数据：描述了整个卷期的信息
-->
<!ELEMENT serial (sertitle , alttitle? , subname* , issue? , imprint? , pubdate? , descrip? , notes? , issn? ,
isbn? , pubid? , vid? , ino? , cpyrt?)>

<!--
  Copyright info.  Copyright of publisher of serial
  版权信息
-->
<!ELEMENT cpyrt (#PCDATA)>

<!--
  Issue number
  发行号
-->
<!ELEMENT ino (#PCDATA)>

```

```

<!--
  Volume id/number
  卷号
-->
<!ELEMENT vid (#PCDATA)>

<!--
  Publisher's unique id
  出版商的唯一标识
-->
<!ELEMENT pubid (#PCDATA)>

<!--
  International Standard Book Number
  国际标准图书号
-->
<!ELEMENT isbn (#PCDATA)>

<!--
  International Standard Serial Number
  国际标准期刊号
-->
<!ELEMENT issn (#PCDATA)>

<!--
  Notes about the journal; e.g. Continues Journal of XYZ 1910-1998, published in
  French and English, etc.
  期刊的注释
-->
<!ELEMENT notes (#PCDATA)>

<!--
  Physical description - generally NOT used in citations in pats; e.g., v., 27cm
  说明书中“图像的简要说明”部分，属性 id 建议取值为“desd”
-->
<!ELEMENT descrip (#PCDATA)>

<!--
  Imprint:
  Publication / creation data
  Place of publication : publisher, date(s) of publication usually only date of
  publication is used for journal citations
  出版有关信息， 包括出版/初版时间、出版地点、出版商，通常期刊只使用出版日期
-->

```

```

-->
<!ELEMENT imprint (text | (address? , name , pubdate*))>

<!--
  Publication date used in npl citations
  非专利引用文献中的公开日期
-->
<!ELEMENT pubdate (#PCDATA | sdate | edate | time)*>

<!--
  Time; format HHMM
  时间 , 格式为 HHMM
-->
<!ELEMENT time (#PCDATA)>

<!--
  End date used in pubdate
  在 pubdate 中的结束日
-->
<!ELEMENT edate (#PCDATA)>

<!--
  Start date used in pubdate
  在 pubdate 中的起始日
-->
<!ELEMENT sdate (#PCDATA)>

<!--
  Issue designation; e.g., Annual, 1971-, 1890-1972
  发行有关信息 如 Annual, 1971-, 1890-1972
-->
<!ELEMENT issue (#PCDATA)>

<!--
  Alternate title for serial; e.g. BMJ = British Medical Journal
  丛书的副标题 如 BMJ = British Medical Journal
-->
<!ELEMENT alttitle (#PCDATA)>

<!--
  Serial title
  期刊名称
-->
<!ELEMENT sertitle (#PCDATA)>

```

```

<!--
  Article title
  论文标题
-->
<!ELEMENT atl (#PCDATA)>

<!--
  Reference number (general); for the EPO this is the XP number
  一般参考编号
-->
<!ELEMENT refno (#PCDATA)>

<!ATTLIST refno  i d ID  # IMPLIED >

<!--
  Subordinate responsibility; e.g., editor, translator, etc.
  除作者外的其他责任者 如编辑、译者
-->
<!ELEMENT subname (%name_group; | addressbook)>

<!ATTLIST subname  s ubname-type  (editor | translator | other-subname-type)  'editor' >

<!--
  Author

  Prime responsibility for the work
  there is no distinguishing between personal and corporate authors
  <author> followed by name or addressbook information
  use the ID attribute if, for example, there is a need to distinguish between
  multiple authors.
  Can also include affiliation details

  Recommended id = auth0001, auth0002, etc.
  作者
  属性 id 建议的取值为 auth0001, auth0002 等
-->
<!ELEMENT author (%name_group; | addressbook)>

<!ATTLIST author  i d ID  #I MPLIED >

<!--
  PATENT CITATIONS:
  (ST.32:B561)
  Patent Citation within abstract, description or claims.

```

For patent citations within Search Report see Search Report DTD

Notes:

Tags arranged according to WIPO ST.14 order.

This can be free text data without any structure (text).

Example:

```
<patcit id='pcit0001' dnum='US4793675A' dnum-type='publication number'>
  <document-id>
    <country>US</country>
    <doc-number>4793675</doc-number>
    <kind>A</kind>
    <name>Handa</name>
    <date>19881227</date>
  </document-id>
</patcit>
```

Note:

It is NOT expected that the applicant will create the tagged data
 - it could be generated from a 'pull down' data entry form
 or generated from internal SR databases

Attributes (recommended):

id - pcit0001, pcit0002, etc.

num - 0001, 0002, etc.

dnum - use full number as one string, eg, "US5401234A";

url - where possible give full web link to patent

file - file name eg. if stored on local systems

dnum-type - type of document number

(e.g., application number, publication number)

专利引用文献

-->

<!ELEMENT patcit (text | (document-id , rel-passage*))>

```
<!ATTLIST patcit  i d      ID          #IMPLIED
                  num     C    DATA #IMPLIED
                  dnum    C    DATA #IMPLIED
                  dnum-type CDATA #IMPLIED
                  file     CDATA #IMPLIED
                  url      CDATA #IMPLIED >
```

<!--

Country of nationality

国籍

-->

<!ELEMENT nationality (country)>

<!--

Descriptive text

描述性文本

-->

<!ELEMENT dtext (#PCDATA)>

<!--

Universal Resource Locator; e.g. www.wipo.int

统一资源定位, URL 如 www.wipo.int

-->

<!ELEMENT url (#PCDATA)>

<!--

Fax number

传真号

-->

<!ELEMENT fax (#PCDATA)>

<!--

Telephone number

电话号码

-->

<!ELEMENT phone (#PCDATA)>

<!--

Email address

邮件地址

-->

<!ELEMENT email (#PCDATA)>

<!--

Electronic address use for other than email

非电子邮箱地址的电子地址

-->

<!ELEMENT ead (#PCDATA)>

<!ENTITY % address_group "((address-1? , address-2? , address-3? , mailcode? , pobox ? , room? , address-floor? , building? , street? , city? , county? , state? , postcode? , country) | text)">

<!--

Address components:

Address formats differ from country to country

If no structure possible use text

用于联系个人或者组织的地址、名称等信息, 属性 lang 表示语言

-->

<!ELEMENT address (%address_group);>

<!--

Postal code or zip code

邮政编码

-->

<!ELEMENT postcode (#PCDATA)>

<!--

Region of country; e.g., state, province, etc.

地区、州、省

-->

<!ELEMENT state (#PCDATA)>

<!--

County, parish, department, etc (mainly UK, USA)

县

-->

<!ELEMENT county (#PCDATA)>

<!--

City or town name

城市

-->

<!ELEMENT city (#PCDATA)>

<!--

Street may contain house number or name

街道, 包括房屋编号或名称

-->

<!ELEMENT street (#PCDATA)>

<!--

Building information in address; e.g., Hoffman building

建筑物的信息 如 上海大厦

-->

<!ELEMENT building (#PCDATA)>

<!--

Address floor; e.g., 10th

地址中的楼层

```
-->
<!ELEMENT address-floor (#PCDATA)>

<!--
  Address room; e.g., Room 55B
  地址中的房间号
-->
<!ELEMENT room (#PCDATA)>

<!--
  Post Office Box number
  邮箱号
-->
<!ELEMENT pobox (#PCDATA)>

<!--
  Organizational mail code
  组织的在邮局的编码
-->
<!ELEMENT mailcode (#PCDATA)>

<!--
  Address, third line
  地址的第三行
-->
<!ELEMENT address-3 (#PCDATA)>

<!--
  Address, second line
  地址的第二行
-->
<!ELEMENT address-2 (#PCDATA)>

<!--
  Address, first line
  地址的第一行
-->
<!ELEMENT address-1 (#PCDATA)>

<!--
  Registered number
  注册号码
-->
<!ELEMENT registered-number (#PCDATA)>
```

```

<!--
  Synonym
  别名
-->
<!ELEMENT synonym (#PCDATA)>

<!--
  Department, division, section, etc. name
  部门
-->
<!ELEMENT department (#PCDATA)>

<!--
  Organisation name or company name
  组织机构名称或者公司名称
-->
<!ELEMENT orgname (#PCDATA)>

<!--
  Role; e.g., President, Chairman, etc.
  职位或者角色如 总裁,主席等
-->
<!ELEMENT role (#PCDATA)>

<!--
  SDOBI : Individual id
  个人标识
-->
<!ELEMENT iid (#PCDATA)>

<!--
  Name suffix (e.g., II, Jr., Dip., Ing., BA, etc.)
  名字中的后缀如 II, Jr., Dip., Ing., BA 等
-->
<!ELEMENT suffix (#PCDATA)>

<!--
  Middle name(s) or initial(s)
  中间名
-->
<!ELEMENT middle-name (#PCDATA)>

<!--

```

First or given name(s), initial(s)
 名
 -->
 <!ELEMENT first-name (#PCDATA)>

<!--
 Last, family, surname
 姓
 -->
 <!ELEMENT last-name (#PCDATA)>

<!--
 Title: e.g., Mr., Mrs., Dr. etc
 称谓 如 Mr., Mrs., Dr. 等
 -->
 <!ELEMENT prefix (#PCDATA)>

<!--
 Country of residence
 居住国
 -->
 <!ELEMENT residence (country)>

<!--
 Possible sources: human-generated-classification,
 machine-propagated-classification, software-analysis-generated-classification
 -->
 <!ELEMENT classification-data-source (#PCDATA)>

<!--
 Possible status: original-classification, reclassified, various-classification,
 deleted-classification
 -->
 <!ELEMENT classification-status (#PCDATA)>

<!ELEMENT generating-office (country)>

<!ELEMENT action-date (date)>

<!--
 Possible values: invention, non-invention
 -->
 <!ELEMENT classification-value (#PCDATA)>

```

<!--
    Possible positions: first-symbol-position, later-symbol-position.
-->
<!ELEMENT symbol-position (#PCDATA)>

<!ELEMENT subgroup (#PCDATA)>

<!ELEMENT main-group (#PCDATA)>

<!ELEMENT subclass (#PCDATA)>

<!ELEMENT section (#PCDATA)>

<!--
    Levels: ipcr-advanced, ipcr-core
-->
<!ELEMENT classification-level (#PCDATA)>

<!ELEMENT ipc-version-indicator (date)>

<!--
    If no structure is possible, enter text (without markup)
-->
<!ELEMENT text (#PCDATA)>

<!--
    Unlinked indexing code.
    (ST.32:B515/B525)
-->
<!ELEMENT unlinked-indexing-code (#PCDATA)>

<!--
    Linked indexing code.
    (ST.32:B514/B524)
-->
<!ELEMENT linked-indexing-code-group (main-linked-indexing-code , sub-linked-indexing-code+)>

<!--
    Sub/further Linked Indexing Code.
-->
<!ELEMENT sub-linked-indexing-code (#PCDATA)>

<!--
    Main Linked Indexing Code.

```

```

-->
<!ELEMENT main-linked-indexing-code (#PCDATA)>

<!--
  Main classification.
  (ST.32:B511/B521)
-->
<!ELEMENT main-classification (#PCDATA)>

<!--
  Edition statement
  (ST.32:B516)
-->
<!ELEMENT edition (#PCDATA)>

<!--
  Additional information.
  (ST.32:B513)
-->
<!ELEMENT additional-info (#PCDATA)>

<!--
  Date: components of a date.  Format: YYYYMMDD
-->
<!ELEMENT date (#PCDATA)>

<!--
  Document kind code; e.g., A1
  (INID 13, ST.32:B130)
  文档种类 如 发明专利公布 A1 等(INID 13, ST.32:B130)
-->
<!ELEMENT kind (#PCDATA)>

<!--
  The number of the referenced patent (or application) document
  文档号
-->
<!ELEMENT doc-number (#PCDATA)>

<!--
  The region for which protection or exclusion (depending upon context) is desired.
  地区、国家
-->
<!ELEMENT region (country)>

```

<!--

Country: use ST.3 country code; e.g. DE, FR, GB, NL, etc.

Also includes EP, WO

国别 使用 WIPO ST.3 国别代码, 如 DE, FR, GB, NL, 也包括 EP, WO 等组织代码

-->

<!ELEMENT country (#PCDATA)>

<!--

A signature represented by electronic means

电子签名的方式

-->

<!ELEMENT electronic-signature (basic-signature | enhanced-signature)>

<!--

A TIFF image of a signature

图象文件签名

-->

<!ELEMENT fax-image EMPTY>

<!ATTLIST fax-image file CDATA #REQUIRED >

<!--

A PKI / PKCS #7 digital signature data type

PKI / PKCS #7 数字签名

-->

<!ELEMENT enhanced-signature (pkcs7)>

<!--

PKCS7 digital signature

PKCS7 数字签名

-->

<!ELEMENT pkcs7 EMPTY>

<!--

A non-PKI electronic signature

非 PKI 电子签名

-->

<!ELEMENT basic-signature (fax-image | text-string | click-wrap)>

<!--

A simple 'signature';

e.g., clicking a button labeled 'accept' or 'I agree'

通过按下软件界面上的一个按钮签名

-->

<!ELEMENT click-wrap EMPTY>

<!--

A simple text string is to be used as the basic electronic signature;

e.g., John Doe <text-string>/jd/</text-string>

用一个文本串签名, 如 John Doe <text-string>/jd/</text-string>

-->

<!ELEMENT text-string (#PCDATA)>

<!--

Drawings: PCT Article 7 / Rule 7

Drawings shall be required when they are necessary for the understanding of the invention.

Recommended id = 'draw'

-->

<!ELEMENT drawings (doc-page+ | figure+)>

```
<!ATTLIST drawings  id      ID      #IMPLIED
                    lang    CDATA   #IMPLIED
                    status  CDATA   #IMPLIED >
```

<!--

A drawing (figure), necessary for the understanding of the invention

Recommended id = f0001, f0002, etc.

-->

<!ELEMENT figure (img)>

```
<!ATTLIST figure  id      ID      #IMPLIED
                    num     CDATA   #REQUIRED
                    figure-labels CDATA #IMPLIED >
```

<!--

```
*****
* SECTION IV - ELEMENTS DEFINED BY SIPO for common use *
*****
```

-->

<!--

法律条款的引用

属性

sequence 指示法律条款出现的次序, 如 sequence="1"

law-id 指示特定的法律文本, 如 law-id="专利法"

law-version 指示法律的版本, 如 law-version="2005"

article-id 指示引用的法条, 如 article-id="23"
 term-id 指示引用法条中的特定款项, 如 term-id="2"
 例如对专利法第 22 条第 3 款的引用可表示为
 <cn-law-reference law-id="专利法" article-id="22" term-id="3">
 专利法第 22 条第 3 款
 </cn-law-reference>
 -->

```
<!ELEMENT cn-law-reference (#PCDATA)>
<!ATTLIST cn-law-reference
  sequence CDATA #IMPLIED
  law-id CD ATA #REQUIRED
  law-version CDATA #IMPLIED
  article-id CDATA #IMPLIED
  term-id CDATA #IMPLIED
>
```

<!--

对公告的引用

属性

sequence 指示公告引用出现的次序, 如 sequence="1"
 notice-org 指示发布公告的单位
 notice-id 指示公告号, 如 notice-id="47"
 notice-date 指示公告的公布日期

例如对专利局第 27 号公告的引用可表示为

```
<cn-notice-reference notice-id="27">
专利局第 27 号公告
</cn-notice-reference>
```

-->

```
<!ELEMENT cn-notice-reference (#PCDATA)>
<!ATTLIST cn-notice-reference
  sequence CDATA #IMPLIED
  notice-org CDATA #IMPLIED
  notice-id CDATA #REQUIRED
  notice-date CDATA #IMPLIED
>
```

<!--

对审查指南的引用

属性

-->

```
<!ELEMENT cn-rule-reference (#PCDATA)>
<!ATTLIST cn-rule-reference
  sequence CDATA #IMPLIED
  rule-version CDATA #IMPLIED
```

```

    part CDATA #IMPLIED
    chapter CDATA #IMPLIED
    section CDATA #REQUIRED
>

<!--
证据
属性
    id  证据的唯一标识,, 建议取值为 ev001, ev002,等
    num 证据编号, 如证据一的 num="1"
-->
<!ELEMENT cn-evidence (#PCDATA | b | i | u | sup | sub | smallcaps | br | pre | crossref | figref | patcit |
nplcit | bio-deposit | cn-law-reference | cn-notice-reference | cn-evidence-reference | cn-rule-reference |
cn-accessory)*>
<!ATTLIST cn-evidence
    id ID #REQUIRED
    num CDATA #IMPLIED
    type CDATA #IMPLIED>

<!--
对证据的引用
属性
    idref  证据的标识
    file   证据出现的文件的文件名
-->
<!ELEMENT cn-evidence-reference (#PCDATA)>
<!ATTLIST cn-evidence-reference
    idref IDREFS #REQUIRED
    file CDATA #IMPLIED
>

<!--
单个附件的信息
属性
    id  可用于文中交叉引用, 建议取值为 ax001, ax002,等
    doc-name  文件的名称
    file-name  附件文件的文件名
    size      附件文件的大小
    date-produced  附件文件的日期, 格式为 YYYYMMDD
-->
<!ELEMENT cn-accessory (#PCDATA | b | i | u | sup | sub | smallcaps | br | pre | crossref | figref | patcit |
nplcit | bio-deposit | cn-law-reference | cn-notice-reference | cn-evidence-reference | cn-rule-reference)*>
<!ATTLIST cn-accessory
    id ID #IMPLIED

```

```
doc-name    C   DATA # REQUIRED
file-name   C   DATA # REQUIRED
size        CDATA # IMPLIED
date-produced CDATA # IMPLIED >
```

```
<!--
```

```
    公告信息
```

```
-->
```

```
<!ELEMENT cn-publication-info (document-id, cn-pub-vol)>
```

```
<!--
```

```
    公告卷期
```

```
-->
```

```
<!ELEMENT cn-pub-vol (#PCDATA)>
```

```
<!--
```

```
    中国的省份
```

```
-->
```

```
<!ELEMENT cn-province (#PCDATA)>
```