

IMPLEMENTATION OF WIPO STANDARD ST.96 BY THE EURASIAN PATENT OFFICE

Committee on WIPO Standards (CWS), Thirteenth session

Andrey SEKRETOV

Director, Integration Solutions Division
Information Technologies Department
Eurasian Patent Office

Implementation of ST.96 by EAPO



September 2025: publication of
Eurasian applications and patents for inventions



October 2025: publication of
Eurasian industrial design applications and patents

Background



- **New PCT Minimum Documentation requirements** related to International Authorities under the PCT: production of **text-searchable documents in XML** -> Task to start the OCR of EAPO's A-kind documents and their extraction in XML
- Publication of **Eurasian industrial design applications and patents** in XML needed. We publish design patents since July 2021
- Replacement of old publication processing tool HIVE (2000-2025) with **new publication tool** under EAPO Integrated Information System (since September 2025)



PATENTS FOR INVENTION

Key Facts



- ST.96 version: **7.1**
- In production since **September 2025**
- **Publication** of patent **applications** (A1, A2, A3, A8, A9) and granted **patents** (B1, B2, B3, B8, B9)
- For **A1 and A2 kinds** both **text-searchable and image-based** formats are supported for descriptions and claims
- **B-kind** is always **text-searchable**, with publication quality
- **ST.96 and ST.36** files are produced simultaneously
- Both distributed via the new EAPO's **“MinDoc” SFTP** server
- **Full back file** (1996.07-2025.08) is still in **ST.36 only**

Difficulties

- **INID 88** – Search Report deferred publication date -> office-specific element **eapat:SearchReportDeferredPublicationDate**
- **INID 23** – date of submission of additional document(s) for previous application in case they are recognized as modifying the subject matter of the claimed invention, Patent Regulations to EAPC, Rule 6 (2) -> **pat:AdditionalRelatedDocument**
- **INID 96** - filing of EA application via a national IPO, filing data -> **pat:RegionalFilingData**
- **INID 71, 72, 73 etc.** – allocation of different parts of a physical person's name to **FirstName**, **MiddleName** and **LastName**

Technology stack



- **Java 17**, Spring Boot
- Bibliographic data source: **PostgreSQL**
- Description, Claims, Abstract processing: **DOCX** files parsing with **ApachePOI**
- XML generation is performed **asynchronously** in the background,
- Job queue: **JobRunr**

Future plans



- Full **back file** for inventions in ST.96 (.DOC files data conversion needed)
- **Search reports** in ST.96
- Markup of **citations**



DESIGN PATENTS

Specific features of EA design system

- EA system of industrial design legal protection has **features of both design patents and designs**, we use INID codes from both ST.9 and ST.80
- **Up to 100 designs per application** allowed , of the same Locarno class
- **Each design** may have **different** creator(s), Locarno subclass, priority
- Design **title** (name), **product indication** are both present in EA data and both mandatory
- EA design patent **applications are published**, we have pre-grant opposition procedure

Use of INID codes

INID code in EA publications	ST. 9	ST. 80
(11) — Number of the Eurasian industrial design patent	+	+
(13) — Document kind code	+	-
(45) — Publication date of the Eurasian industrial design patent	+	+ - publication of the registered industrial design
(66) — Filing date and number of the previous [withdrawn] Eurasian application on the basis of which the [domestic] priority is claimed	+ - in ST.9 only 'invention' is mentioned	? the definition "design(s) which is (are) a variant(s) of the present one" not fully clear
(96) — Filing date and number of Eurasian application assigned by NPO of EAPO Member State, ST.3 country code	+	- no code for regional filing in ST.80
(72) — Creator(s) name(s)	- no 'designer' / 'creator' in ST.9	+
(54) — Product indication and design title	- in ST.9 only 'invention' is mentioned	+ - we use both design title and product indication
(57) — Description of design	-	+

Use Patent components or Design components?

- Can we use existing “Design **registration**” components from Designs instead of “Design patent **grant**” components?
- **No application publication date** (INID 43) in Designs
- **No document kind code** component in Designs
- **No Designer** component in Patents
- **No** component in Patents for **Number of designs in the application**
- **No support of Locarno Classification** in Patents
- ... and more

Patent components or Design components? Solution

Update in ST.96: permission to reference Design (dgn) components from Patent (pat) schemas

ST.96 - ANNEX I: XML DESIGN RULES AND CONVENTIONS

[SD-03] A *Patent Component*, *Trademark Component*, *Design Component*, *Geographical Indication Component*, or *Copyright Component* <...> *SHOULD NOT* refer to other Component schema modules, with *two exceptions*: *Geographical Indication Component* schemas *MAY* refer to *Trademark Components* schemas and vice versa and *Patent Component schemas MAY refer to Design Component schemas and vice versa*, as they have overlapping business areas

Patent components or Design components? Solution

com, pat, dgn components used together

```
</xsd:complexType>
<xsd:complexType name="DesignPatentType">
  <xsd:sequence>
    <xsd:element ref="dgn:DesignIdentifier"/>
    <xsd:element ref="com:LocarnoClassificationBag" minOccurs="0"/>
    <xsd:element ref="com:ExhibitionPriorityBag" minOccurs="0"/>
    <xsd:element ref="pat:AdditionalRelatedDocument" minOccurs="0"/>
    <xsd:element ref="pat:PriorityClaimBag" minOccurs="0"/>
    <xsd:element ref="pat:RelatedDocumentBag" minOccurs="0"/>
    <xsd:element ref="com:EffectiveCountryBag" minOccurs="0"/>
    <xsd:element ref="dgn:DesignerBag" minOccurs="0"/>
    <xsd:element ref="dgn:DesignTitleText"/>
    <xsd:element ref="com:ProductDescriptionTextBag" minOccurs="0"/>
    <xsd:element ref="dgn:DesignDescriptionTextBag" minOccurs="0"/>
    <xsd:element ref="dgn:DesignRepresentationBag" minOccurs="0" maxOccurs="unbounded"/>
  </xsd:sequence>
  <xsd:attribute ref="com:sequenceNumber"/>

```

Key facts



- ST.96 version: **9.0**
- No **office-specific** components
- In production since **October 2025**
- Publication of design patent **applications** (S) and **granted patents** (S1, S2, S3, S4, S8, S9)
- Distributed via the new **EAP0 SFTP server**

Lessons learned



- ST.96 is quite **complex** to implement
- ST.96 already supports **many** legal/procedural options
- The best approach is to have **no office-specific components** at all
- **ST96XSDValidator**: no need to strive for perfect validation results
- **XML4IP** Task Force and the **IB** provide great help,
we thank all colleagues involved!

THANK YOU!

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