

CWS.ATR.PI.2010.EA

Annual Technical Report 2010 on Patent Information Activities submitted by EAPO (CWS /ATR/PI/2010/EA)

Where URLs are requested below, it is preferred that either URLs which are likely to remain stable over time (three years or more) are provided, or home (main) page URLs are provided with a short explanation of how to access the corresponding information.

The term "patent" covers utility models and Supplementary Protection Certificates (SPCs). Offices which issue design patents should report their design patent information activities in their Annual Technical Reports on Industrial Design Information Activities.

I. Evolution of patent activities

Changes experienced in terms of application filings and grants with respect to the previous year

In 2010 the number of filed applications has increased by 18,9%, the number of granted Eurasian patents has increased by 2.44%.

Trends or areas experiencing rapid changes with respect to the previous year

The maximum increase of applications was marked in the field of medicine and veterinary (+ 51%) and transport (+ 52%)

URLs of web pages of the Office's website that provide statistics related to patents

<http://www.eapo.org/rus/ea/about/stat.html> in Russian <http://www.eapo.org/eng/ea/about/stat.html> in English

II. Matters concerning the generation, reproduction, distribution and use of primary and secondary sources of patent information

Publishing, printing, copying (main types of publications of the Office in the field of patent information, etc.)

EAPO issues the following publications in the field of patent information:

- EAPO Gazette (optical disc, Web-site)
- Descriptions to Eurasian Applications (optical disc)
- Descriptions to Eurasian Patents (optical disc)
- Legislative, normative-methodical and reference documentation of the EAPO (optical disc)
- Eurasian Applications and Patents, Summary index (optical disc)
- Annual Report (paper, Web-site)

Main types of announcements of the Office in the field of patent information

EAPO issues the following procedural announcements in the field of patent information:

Applications:

Event code Event description

BZ2A Eurasian patent applications published with a search report (A1 publication)

BZ1A Eurasian patent applications published without a search report (A2 publication)

EZ2A Separate publication of a search report (A3 publication)

FA9A Withdrawal of a Eurasian application

NF9A Restoration of lapsed right to a Eurasian application

PD1A Registration of transfer of a Eurasian application by order of succession in title

PC1A Registration of transfer of a Eurasian application by force of assignment

HC1A (2A) Change in name of an applicant in a Eurasian application

HM1A (2A) Change in composition of inventors

PZ1A Registration of pledge of right to a Eurasian application

HK1A (2A) Corrections to the Gazette related to the published Eurasian Applications (bib. data, abstract)

Patents:

Code Event description

FG4A Eurasian patents (B1 publication)

4 Lapse of a Eurasian patent in Contracting States due to non-payment within the time limit of renewal fees

PC4A Registration of transfer of a Eurasian patent by assignment

PD4A Registration of transfer of a Eurasian patent in accordance with the succession in title

NF4A Restoration of lapsed right to a Eurasian patent

MC4A Revocation of a Eurasian patent under opposition procedure (administrative revocation)

MF4A Revocation of a Eurasian patent in full

MA4A Revocation of a Eurasian patent at the owner's request filed with the EAPO

LD4A Reissued specification to Eurasian patent (B2 publication)

MH4A Revocation of a Eurasian patent in part

TB4A Correction of composition of inventors in a published Eurasian patent

TH4A Corrections of general character in a published Eurasian patent (full text)

TK4A Corrections in published Eurasian patent (bib. data, claims)

QB4A Registration of a license in a Contracting State

QC4A Termination of a registered license in a Contracting State

RH4A Grant of a duplicate of a Eurasian patent certificate

TC4A Change in name of a patent proprietor in a Eurasian patent

PZ4A Registration of pledge of right to a Eurasian patent

ND4A Extension of term of a Eurasian patent

QZ4A Registered alterations and amendments to the license agreement

RL4A Decisions of a court in respect to the Eurasian Patent

Announcements of the Office of procedural, legal and norm-setting kind are published in EAPO Gazette and reflected in the Web register of patents; more general announcements can be also found at Web-site of EAPO at: www.eapo.org

Mass storage media used (paper, microforms, optical storage, etc.)

Patent information of the EAPO is provided on digital media only: optical discs (CD, DVD-ROMs) and online resources are used to distribute data

Type of announcement (Carrier Language)

EAPO Gazette CD-ROM (Russian) – available on-line

Descriptions in Eurasian Applications DVD-ROM or CD-ROM (Russian)

Descriptions in Eurasian Patents CD-ROM (Russian, Bibliographic Data and Abstracts in English)

Legislative, normative-methodical and reference documentation of the EAPO CD-ROM (Russian/English)

Eurasian Applications and Patents, Summary index DVD-ROM (Russian)

Annual Report Paper Russian/English)

Eurasian Patent Register - available on-line

Word processing and office automation

Microsoft Word 2003 text processor is used for preparation of texts of patent documents for publication (make-up, proofreading). Specific add-ons were developed by EAPO to automate routine operations of document markup and quality control (e.g. sub-documents markup, claims numbering control, invalid characters detection, typical OCR errors detection). Automated operations at this stage are controlled by HIVE2 system. At further stages all prepared texts are processed to destination formats (XML, PDF, Gazette makeup) automatically by HIVE2 system.

EAPO continues to use web-service technologies "Publication Server" and "Open Patent Services".

EAPO has finished pilot operation of e-Phoenix (EPO product), all patent information is kept in EAPO databases in electronic form.

(New) techniques used for the generation of patent information (printing, recording, photocomposing, Optical Character Recognition (OCR), etc.)

EAPO issues its official publications using own data processing and publishing facilities. The publication technology involves scanning, optical character recognition, editing, proofreading, markup and make-up. All data used for publications (including bibliographic data in Russian and English, facsimile pages, full-text descriptions, first pages, blueprints etc.) is stored in one database (HIVE2 system, outsourced for EAPO). Information is extracted from the database in required formats, including PDF and XML. HIVE2 also fully supports current workflow and data/document flow and provides broad automation of everyday operations at every workplace of publication divisions.

The main output data formats in IPDL HIVE2 system are ST.36 XML and PDF with embedded bookmarks.

URLs of web pages of the Office's website that provide access to online publication of patent documents and gazettes, and to other primary and secondary sources of patent information, including patent publication servers and download of bulk patent data

Primary sources:

<http://www.eapo.org/rus/reestr/start.php3> - Register of Eurasian Patents <http://www.eapo.org/rus/bulletin/index.html>.

<http://www.eapatis.com/> - descriptions to Eurasian applications and patents

www.eapo.org/rus/eapatis/ - full descriptions of published applications and patents (numeric search only)

Secondary sources:

Espacenet:

<http://l2.espacenet.com>

<http://ea.espacenet.com>

III. Matters concerning abstracting, classifying, reclassifying and indexing of technical information contained in patent documents

Abstracting, reviewing, translating

Eurasian patent applications are filed at the EAPO in Russian only. When patent application is filed, an applicant or a representative provides abstract in required format in accordance with filing procedure. This abstract is published with bibliographic data of the application in the Gazette, at first pages of application and corresponding patent and on optical discs with full descriptions of inventions. Translation of bibliographic data and abstracts of Eurasian patents into English is carried out by the EAPO; translations are added to certain publications of the EAPO for non-official use.

Classification¹, preclassification² (if applicable), and reclassification³ activities; Classification system used, e.g., International Patent Classification (IPC), other classification (please indicate whether or not patent documents are classified by your Office and, if so, which classification is used)

For classifying published Eurasian applications and Eurasian patents EAPO uses the advanced level of the IPC - 2009. Information about published Eurasian patent documents including classifying indexes is sent to EPO to be included into the database of classified patent documents (MCD).

As changes into the advanced level of IPC are introduced, EAPO within the framework of MCD support carries out reclassification of Eurasian patent documents in accordance with the list of documents which EAPO receives from WIPO.

Coordinate indexing (domestic deep indexing systems, keyword indexing)

EAPO does not use domestic keep indexing systems or keyword indexing

Hybrid system indexing

EAPO uses indexing schemes within the framework of advanced level of IPC - 2009

Bibliographic data and full-text processing

In the framework of the present data processing workflow the EAPO produces the following patent information:

Applications (A-kind): bibliographic data in Russian including abstract, facsimile pages of description.

Patents (B-kind): bibliographic data in Russian including abstract, bibliographic data in English including abstract (for non-official use only), full text (symbol-coded) of description.

Bibliographic data and full texts are stored in HIVE2 system. The system allows extracting data in required format for further loading to other external search systems. For example, this extracted data is used in EAPATIS and in Esp@cenet.

The data is stored in a structured way and contains extensive markup that allows production of XML data which can be used most effectively for data analysis and indexing

IV. Search file establishment and upkeep

File building

EAPO has developed a virtual patent-information depository comprising of local and external databases (DB) of patent documentation and non-patent literature integrated with each other. Access to the BDs and search in them is realized on the basis of a "one-window principle" via the EAPATIS system. Since 2003 it has been in the open access via the Internet for EAPO member-states. In 2004-2005 access was provided also to patent offices of Ukraine, Uzbekistan and Georgia.

Local DBs are formed by downloading of information from CD/DVD discs containing patent documentation, data conversion and arranging it in a unique format, data indexing and loading of information into the DB

Updating

EAPATIS contains over 40 constantly updating databases. The total number of loaded documents has increased up to 35 million. The local DBs contain retrospective and current patent documentation of international organizations and national patent offices of countries of PCT- minimum documentation, EAPO Member-States, Ukraine and Uzbekistan. Local databases have been replenished with 1 million of descriptions to patent documents. The scope of databases reached over 170 GB

Storage, including mass storage media

By the end of 2010 the EAPO patent-information depository contained 51 local DB, incorporated into 26 clusters. Each cluster contains DB of one country (patent organization) or disc series. The total volume of loaded and kept in the DB information is near 3 TB. The peculiar feature of the Eurasian patent-information space is availability of a unified access to all DBs via a unique searching interface of EAPATIS System

Documentation from other offices maintained and/or considered part of the available search file

The patent information storage holds information from international and regional organizations (WIPO, EPO, EAPO), from countries of the PCT minimum (USA, Japan, Germany, UK, etc.) of various degree of retrospection, from national patent offices of CIS countries, including EAPC member states.

Information on patent documents is stored in the patent information storage in a consolidated, logically integrated form. The basis of the patent information storage is formed by local search Data bases. The local DBs of patent information storage were replenished in 2010 with 1.5 million documents. The total amount of data loaded into the storage's DB has exceeded 35.5 million documents

V. Activities in the field of computerized and other mechanized search systems

In-house systems (online/offline)

HIVE2 system: The system supports publication process and own patent collection processing in EAPO. It offers reliable storage of all documents used for publication, automation of the most of publication procedures, structured access to the stored patent information via Web interface, multiplex search in bibliographic data and full texts considering languages morphology (Russian and English) and provides statistics on documents stored and on publication process. HIVE 2 is also used in EAPO as master database of published Eurasian patent documents.

In 2008 EAPO has implemented the system of electronic filing ADEPT – Application Documents Electronically Performed Transition, supporting secure exchange of application documents between the offices of patent attorneys and EAPO. Transmission of documents is performed via the Internet through the safe TLS protocol. In 2010 43% of applications were filed to EAPO electronically.

Eurasian Patent System (EAPATIS) is the main information and search system. In 2010 over 140 000 patent searches have been performed.

The automatic search report processing system (SRP) was commissioned in 2002. In 2010 the system has undergone updates and developments. SRP was created for aims of search and selection of reference patent documentation and non-patent literature quoted in international search reports and is systematized by technical fields. In 2010 search was conducted in respect of 2155 Eurasian applications. Out of 8023 reference documents, contained in applications, examiners were provided with 7671 documents in electronic form. Availability of reference documents for examination procedures was 95.6%.

EAPO uses the following basic systems for setting up the patent processing procedures: COMMON SOFTWARE-SOPRANO, e-Phoenix.

Information support of EAPO activities was realized by means of maintenance and development of the EAPO corporate site.

In 2010 EAPO continued its work on development of production, issue and web-publication of the EAPO electronic bulletin. Procedures of downloading and data processing, publication of information on optical discs and EAPO web portal have been improved.

External databases

EAPO examiners apart from EAPATIS are using the EPO search system EPOQUE, as well as open access systems and databases such as esp@cenet, EPOLINE, Patent Scope, JOPAL and others.

Administrative management systems (e.g., register, legal status, statistics and administrative support)

EAPO uses "Toolbox-EPTOS" system.

EAPO keeps a Register of Eurasian patents accessible to the wide public in electronic form

Equipment used (hardware, including the types of terminal and network used, and software), carriers used

IPDL HIVE-2 System: 3 Intel-based servers (CPU 2xXeon 3200MHz, RAM 4 GB); Windows 2000 Server (Russian version), IBM DB2, IBM WebSphere Portal, IBM Content Manager.

Title of server equipment Number

- 1 SunFire X2200 server M2 17
- 2 SunFire X2100 server 4
- 3 Sun Blade 6000 Gen2 Midplane Chassis 1
- 4 SunFire v280R server 1
- 5 Sun Blade X6270 server module 5
- 6 Sun Blade T6320 server module 1
- 7 Sun Sunfire 4170 server 2
- 8 Sun StorageTek 25xx Array 8
- 9 Intel (EPTOS set) servers (IBM xSeries 336,346) 5
- 10 SE3120 JBOD Array 1
- 11 Sun Storage D1000 Array 1
- 12 2 LTO-3 Tape storage 1
- 13 Sun Ray 1g thin client 10
- 14 Sun Ray 2 thin client 22

Software number

- 1 IBM DB2 Content Manager Enterprise Edition Authorized User Annual SW Maintenance Renewal 20
- 2 IBM DB2 Universal Database Workgroup Edition Server Install Annual SW Maintenance Renewal 1
- 3 IBM DB2 Universal Database Workgroup Server Edition User Annual SW Maintenance Renewal 4
- 4 IBM Rational Application Developer for WebSphere Software Authorized User Annual SW Maintenance Renewal 1
- 5 IBM WebSphere Portal Server (20 User Pack) 1
- 6 IBM IBM WebSphere Portal 6 1
- 7 Solaris operating system 5
- 8 Open Enterprise Server with LDAP eDirectory (cluster configuration) (8) 1
- 9 NetMail (100 User License) (service level 8) 1
- 10 Access Manager Prior (100 User License) (service level 8) 1
- 11 Secure Login 6, (100 User License), (service level 8) 1
- 12 Sun Java System Identity Manager 1
- 13 Linux Suse (10,11) 8
- 14 Novell Access Manager 20
- 15 Novell eDirectory 20

OS: Windows Server 2008 Enterprise, Windows Server 2003 Standard Web Edition, Windows Server 2000 Rus.

Existing online thesauri; their structure, presentation and usefulness for computerized searches

In 2008 EAPO created the system of electronic storage of documents. Two servers (main and backup) and disc arrays were acquired. In 2010 EAPO continued to form an array of CD/DVD disc images and a reserve array of CD/DVD disc images. The array is further used to provide access from EAPATIS to full descriptions of patent documents at a faster speed as well as safety of original media. The volume of downloads is nearly 19 TBT.

VI. Administration of the industrial property office library, and information products and services available to the public (relating to facilities, e.g., for lodging applications, for assisting clients on searching procedures, for obtaining official publications and registry extracts)

Collecting, acquisitions, preparation

In 2009 EAPO launched electronic library on the corporate site. The library is a full-text database of subscriptions and publications, as well as software tools for laying out full texts and searching. Specialized magazines are also loaded in the database. Users may conduct searches over publications by author's name, titles, and key words. The library also contains subscriptions and publications of EAPO personnel.

Interlibrary lending, resource sharing, networks of patent libraries in the country

In 2010 EAPO received specialized magazines, books, brochures covering various aspects of patent activity. To provide examiners with reference materials EAPO cooperates with BEN (Library of Natural Sciences), VINITI (Library of the Institute of Scientific and Technical Information), VPTB (All-Russian Patent and Technical Library) and others.

Information services available to the public (including computerized services and search files contained in libraries remote from your Office and patent information posted by your Office on the World Wide Web)

Eurasian Patent Information System EAPATIS (<http://www.eapatiss.com/>).

In 2010, EAPATIS responded to 640 thousand user requests. As for national patent offices, the largest number of queries came from the patent offices of Russia (over 70 thousand), Belarus (about 50 thousand), Kazakhstan (over 60 thousand). 23 companies were provided with access to EAPATIS for payment among them higher educational establishments, patent attorneys, enterprises, organizations and private entrepreneurs.

In 2010 a new directory was created "Web-sites of patent and non-patent information". It contains addresses of portals and web-sites of magazines and libraries of non-patent information, systematized by technical fields, web-sites of scientific and technical literature, web-sites of international and regional patent organizations.

EAPO has its corporate site with legal, referential and statistical information, documents covering office's activity (plans, orders, instructions, regulations, other); news and announcements, useful links to internet sources and other.

In 2010 EAPO launched Portal of information services for national patent offices, mainly for statistical purposes and Portal of information services for EAPO patent attorneys.

URLs of web pages of the Office's website for electronic filing of patent applications

<http://adept.eapo.org/>

URLs of web pages of the Office's website that provide information on business procedures such as: filing, publication, examination and grant procedures related to patents; opposition and appeal procedures related to patents; etc.

In Russian

<http://www.eapo.org/rus/ea/inventors/001.html> - general information about Eurasian patent procedures

<http://www.eapo.org/rus/ea/getpatent/> - brochure "How to Get a Eurasian Patent"

<http://www.eapo.org/rus/ea/information/attorneys.php3> - database of Eurasian patent attorneys

<http://www.eapo.org/rus/ea/eapatiss> - database of full descriptions of published Eurasian applications and patents, transliteration table for common terms

<http://www.eapo.org/rus/ea/blancs/blancs.html> - application forms

http://www.eapo.org/rus/ea/documents/docs_norm.html - legal texts

In English

<http://www.eapo.org/eng/ea/information/attorneys.php3> - Eurasian patent attorneys

http://www.eapo.org/pdf/HowToGet_ENG_2009-1.pdf - brochure "How to get a Eurasian Patent"

<http://www.eapo.org/eng/ea/eapatiss> - database of full descriptions of published Eurasian applications and patents

<http://www.eapo.org/eng/ea/documents/> - legal texts

<http://www.eapo.org/rus/reestr/fees.php3> - on-line cross-currency rates for fees calculation

URLs of web pages of the Office's website that provide a description of information products and services offered by the Office (e.g., patent search service(s) and patent databases), as well as information on how to access and utilize them

In Russian <http://www.eapo.org/rus/ea/index.html>

In English <http://www.eapo.org/eng/ea/>

<http://www.eapo.org/rus/reestr/start.php3> - searching in the register

<http://www.eapo.org/rus/ea/publications/> - official publications in Russian

<http://www.eapo.org/eng/ea/publications/> - official publications in English

www.eapatiss.com

<http://ea.espacenet.com>

VII. Matters concerning mutual exchange of patent documentation and information

International or regional cooperation in the exchange of machine-readable information, e.g., bibliographic data, abstract and/or full text information

In 2010 EAPO exchanged patent information on CD-ROM/DVD with WIPO, EPO, ARIPO, OAPI and 47 national patent offices. The following EAPO official publications were circulated: the Gazette, CD-ROM with descriptions of inventions to Eurasian applications and patents; CD-ROM with legislative, normative and methodical and reference documentation of EAPO, CD-ROM «Eurasian applications and patents, Summary index, Annual Index and Annual Report.

EAPO collection on CD/DVD has been replenished with over 1081 discs of current series.

Medium used for exchange of priority documents

Electronic form is used for receiving priority documents of international applications entering the regional phase at EAPO.

Paper form is used in other cases including preparation and sending certified copies of Eurasian applications.

Medium allowed for filing applications

Applications may be filed on paper and electronically.

VIII. Other relevant matters concerning education and training in, and promotion of, the use of patent information, including technical assistance to developing countries (please indicate URLs of web pages of the Office's website wherever appropriate)

Training courses for national and foreign participants, use of audiovisual means

In 2010, the Eurasian patent Office continued to finance advanced studies of specialists from EAPO member-states at the Russian State Academy of Intellectual Property (RGAIS). Thus, EAPO provided the possibilities for 13 specialists from national patent offices to study there under a retraining program, and 2 experts from national offices were provided with the possibility to study by correspondence and to do postgraduate studies.

Assistance to developing countries (sending consultants and experts, receiving trainees from developing countries, etc.)

In 2010 EAPO conducted training and advanced training of experts. Special training courses were organized for 31 representatives from national patent offices of EAPO Member-States for on-the-job training at EAPO. Consultative and methodical assistance has been rendered to examiners while conducting patent searches.

Experts from the EAPO visited the National Center of Intellectual Property, under the State Committee on Science and Technologies of the Republic of Belarus, twice during the year (March and October, 2010). The purpose of the visits was to help introduce the technology for the preparation, issue and web-publication of electronic bulletins using technologies developed by EAPO. Similar work on assisting with the introduction of this technology was carried out at the National Institute for Intellectual Property, Committee on IP Rights, Ministry of Justice, Republic of Kazakhstan. Under the framework of cooperation and support in training national experts on intellectual property in the Republic of Kazakhstan, EAPO experts participated as the main speakers and trainers in two workshops (April and August) held by the National Institute on Intellectual Property of the Committee on IP Rights, Ministry of Justice, Republic of Kazakhstan. The items on the workshop's agenda were: protection of inventions under the legislation of the Republic of Kazakhstan, the Eurasian Patent system, the PCT, Eurasian patent grant procedures, protection of inventions in the field of chemistry and medicine (based on EAPO experience), EAPO's data resources, the EAPATIS search system.

Promotional activities (seminars, exhibitions, visits, advertising, etc.)

During the year under report EAPO took part in 12 international events where EAPO representatives participated as speakers.

Each year EAPO organizes seminars at EAPC Contracting States. In 2010 EAPO was a co-organizer of the following event:
- Regional seminar on the development of national strategies on intellectual property, Zvenigorod, Russian Federation

A meeting with Eurasian patent attorneys, which is traditionally dedicated to the World Intellectual Property Day, took place on April 26, 2010 at EAPO.

Leading specialists of the Eurasian Patent Office informed the participants of the meeting about aspects of EAPO activity, which can be useful for their professional activity and development of cooperation with the Office.

Studies to identify trends in new technology, e.g., by the use of patent statistics and preparation of monographs

EAPO specialists wrote several articles to leading magazines in the field of industrial property.

Assistance furnished by offices to facilitate the changing over of receiving offices to electronic data carriers for the exchange of patent documents (see also fourth sub-item of item VI, above)

Since 2008 EAPO started its own project ADEPT (Application Documents Electronically Performed Transmission). The project is aimed at secure exchange of application documents between EAPO and offices of patent attorneys. Exchange of documents is realized via the Internet and a safe TLS protocol. In 2010 EAPO has launched pilot projects with patent offices of Russia and Belarus.

In 2010, a new functionality of the ADEPT system was developed and introduced. It provides an interface for patent attorneys for automated formation of the application documents' package.

<https://adept.eapo.org> – production server of e-filing

IX. Other general information related to the Office that is available on the Internet -- URLs of web pages of the Office's website that:

provide information on legislation related to patents

http://www.eapo.org/rus/ea/documents/docs_norm.html in Russian

<http://www.eapo.org/eng/ea/documents/> in English

contain the Annual Report of the Office

<http://www.eapo.org/rus/ea/reports/index.html>

contain patent-related news regarding the Office

<http://www.eapo.org/eng/ea/news/>

X. Other relevant matters

1.	Classification is allotting one or more classification symbols (e.g., IPC symbols) to a patent application, either before or during search and examination, which symbols are then published with the patent application.
2.	Preclassification is allotting an initial broad classification symbol (e.g., IPC class or subclass, or administrative unit) to a patent application, using human or automated means for internal administrative purposes (e.g., routing an application to the appropriate examiner). Usually preclassification is applied by the administration of an office.

3.	Reclassification is the reconsideration and usually the replacement of one or more previously allotted classification symbols to a patent document, following a revision and the entry into force of a new version of the Classification system (e.g., the IPC). The new symbols are available on patent databases.
----	---