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**STANDING COMMITTEE ON INFORMATION TECHNOLOGIES**

**ANNUAL TECHNICAL REPORT**

**2001**

**ON PATENT INFORMATION ACTIVITIES\***

submitted by

**ROMANIA**

An annual series of reports on the patent information activities  
of members of the Standing Committee on Information Technologies

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\*  
– The term “patent” covers utility models and SPCs.  
– Information related to design patent activities reported by industrial property offices issuing design patents is included in the series of documents SCIT/ATR/ID.

## **ANNUAL TECHNICAL REPORT ON PATENT INFORMATION ACTIVITIES**

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**ROMANIA**

### I Evolution of registration activity

A number of 1409 patent applications were filed with the State Office for Inventions and Trademarks under the Patent Law (Law no.64 of 1991 ] in the year 2001. Said number comprised 1128 patent applications filed by Romanian applicants and 281 patent applications filed by foreign applicants wherefrom 236 were PCT applications for which the national phase was entered.

Last year, 4278 European applications with requests for extension to Romania reached OSIM under the Agreement concluded between the Government of Romania and the European Patent Organization concerning the patents for invention.

### II The Official Publications of OSIM:

- Official Industrial Property Bulletin ("*Buletinul Oficial de Proprietate Industrială*" - BOPI )
  - Invention Section, monthly issue;
- Official Industrial Property Bulletin (BOPI)
  - Trademark Section, monthly issue;
- Official Industrial Property Bulletin (BOPI]
  - Design Section, monthly issue;
- Official Industrial Property Bulletin - European patent applications and European patents with requests for extension, under Law no.32/1997;
- Patents - in extenso
- The Romanian Industrial Property Review, six issues yearly.

Three CD-ROMs are also edited in Romania as follows:

- RO-BULLETIN is a disk issued quarterly, comprising all BOPI sections. The last annual disk contains a complete collection of all the official bulletins published by OSIM during the year; said disk also comprises the Romanian Industrial Property Review. There are search means for it. The required software and the specific fonts are delivered together with the disk, free of charge.
- RO-PATENT-IMAGES is the disk which offers you a complete collection, in

facsimile, of all the patents published by OSIM in one year. There are adequate search means. The required software is delivered alongside the disk, freely.

- RO-INDEX is a disk which allows the identification of the patents published by OSIM starting with 1994 by using the bibliographic data. CD-ROMs made in cooperation with other offices:
- ESPACE-PRECES - a disk which comprises the facsimile copies of the patents published by OSIM and other patent offices: Bulgaria, Czech Republic, Hungary, Latvia, Lithuania, Poland, Romania, Slovakia.
- ESPACE ACCESS PRECES - disk which comprises all the bibliographic data of the ESPACE-PRECES collections; it is a search mechanism which helps identify the patents in facsimile in the PRECES collection by searching according to various criteria such as the patent number, the international class, the filing date, the date of publication, the key-words in a title or abstract, etc.
- TRACES - a disk which comprises all the data on the registered trademarks of Bulgaria, Czech Republic, Hungary, Poland, Romania, Slovakia. One can develop complex searches based on various criteria: applicant, designation, class, word of the classes of products or services, etc.

Starting with 1996, publication, i.e. the whole process of publication, is carried out in-house (for both publication on paper and on CD-ROMs) as well as text setting, editing and desktop publishing, printing and delivery. As all the documents are processed in electronic format exclusively, they can be turned into html and ptf format for publication in the INTRANET and INTERNET.

The data printed in the Official Industrial Property Bulletin (BOPI) are taken from the Common Software database exclusively.

Corel Word Perfect is employed in desktop publishing and Corel Draw in image processing.

Several years ago, OSIM started to store the complete patent collection (patents granted in Romania) in electronic format. In the year 2001, more than 50,000 patents for invention (about 250,000 pages) were scanned and processed; the whole process is expected to end in 2002.

The modifying documents are also scanned and integrated into the document database. The data in the database are searched during the substantive examination procedure but they are also the primary source employed in manufacturing some CD-ROMs.

Facsimile documents are searched in two ways:

- directly, by using Acrobat Reader (you have got to know the number of the searched patent);
- using the RO Patent Search database developed by OSIM specialists. For a limited number of documents, round 8,000, and over a short period of time, namely 1996-2000, one can make use of the full-text search system.

### III Classification and Re-classification Activity

The Office classifies all the patent documents exclusively by using the International Patent Classification.

OSIM uses the 7<sup>th</sup> IPC edition currently.

The Office has embarked upon reclassifying the national documents according to the 7<sup>th</sup> IPC edition.

### V Activities Related to Electronic Search V. 1

#### In-house systems

V. 1.1 The management of the patent applications filed with OSIM is based on the Common Software System. Our system relies on the SGBD-Informix Online DSA v.7.3 system; the interface is created by means of Hypertext Tools. Said database is employed in managing the examination process, the publication and the dissemination of information. The information stored in that database enables the upgrading of other databases (see below), making preparations for other CDs such as ESPACE-PRECES and also the international exchange of data, a.s.o, a.s.f.

V. 1.1 RO Patent Search is a database designed for electronic search; it has two components:

- one comprising the bibliographic data required in the formulation of the search equations;
- the other one comprising the facsimile documents. Said database contains about 110,000 records; in 2002 it will cover the period 1906-2001, completely. The database comprising bibliographic data works on an Informix 7.3 platform for Linux. The facsimile document database comprises about 110,000 documents stored by scanning (as already described above). The scanning process is supposed to come to its end in 2002. The facsimile document database also comprises the facsimile image of the official bulletins published by OSIM.

Last year OSIM also succeeded in putting an end to the first stage of the generation of the database designed for the Legal and Technical Library; said database provides access to the list of books or periodicals extant in the Library of OSIM and also enables the on-line formulation of the requests for books/periodicals even for publications which are not retrievable in the Library., In such cases, the publications are borrowed by the Library on the basis of the inter-

library exchange system. In 2001 that database will be accessed in the INTERNET as well.

Access will also be possible by using RO Patent Search, thereby drawing closer patent and non-patent literature resources. Actually, we aim at creating an integrated search system which will offer a wide range of possibilities to those using electronic search means.

V.1.3 A part of the RO Patent Search (the one comprising the bibliographic data of the patents starting with no. 105544 to date and the related facsimile documents are available in the INTERNET and can be accessed at [www.osim.ro](http://www.osim.ro). The Ro- ESPACenet it's accessible to.

At OSIM headquarters we also have patent collections on CD-ROMs:

V. 1.4 The index databases on CD-ROM that can be accessed by internal users in the network are the following ones:

- |                 |               |                 |
|-----------------|---------------|-----------------|
| - Access A      | - IPC Class   | - Access Europa |
| - Access B      | - Bulletin    |                 |
| - Access Preces | - Casis - Bib | - Global Patent |

The full-text databases to be accessed from local PCs provided with CD-ROM lecturer:

- |                |           |                     |
|----------------|-----------|---------------------|
| - Espace - EPA | complete  | Espace CH 1994-1998 |
| - Preces       | complete  | Espace DK 1990-1998 |
| -Espace UK     | 1974-1999 | Espace ES 1990-1998 |
| - USAPAT       | 1791-1999 | Espace EPS complete |
| -COSMOS        | 1992-1998 |                     |
| - DE DEPAROM   | 1993-1998 |                     |
| - World        | 1991-1998 |                     |
| - Espace AT    | 1992-1998 |                     |
| - Espace IT    | 1993-1995 |                     |
| - Espace RU    | 1996-1997 |                     |
| - Espace SI    | 1993-1998 |                     |
| - Espace OAPI  | 1994-1998 |                     |
| - GLOBALPAT    |           |                     |

All the collections are available for search by internal users and the public.

V.2 External databases: Commercial ones:

-STN

Other databases in the INTERNET:

- Delphion

- ESPACE-NET

- Other databases in the INTERNET, made available by other industrial property offices.

V.3 The Electronic Information System of OSIM:

HARDWARE

- GS 80 server with 2 RISC tech Central Unit,

1G RAM, 500G HDD in RAID

- 2 ALPHA 2100 A monoprocessor servers;
- one harddisk storing unit i.e. Digital Work Storage, having a capacity of more than 100 GB storage space;
  
- about 40 PCs of the 486/66 MHz type, 100 Pentium 100-200 MHz, 40- Pentium II 300 MHz, 80 PCs Pentium III;
- 18 Xerox 5410, 5420, PH4 SI network printers;
- 6 scanners;
- 75 local DeskJet plus, Dec Writer 110;
- 3 INFOSERVERS 1000 for in-the-network search of CD-ROM index;
- a Juke-box JVC system for 600 disks with 4 lecturers connected with the internal network by its own server;
- 4 Pentium 200 MHz PCs for the INTERNET/INTRANET Subsystem. In 1998 we employed a 64 kb/s telephone line, ASM 31 modem, 90 T1 DEC router for communication. The INTERNET/INTRANET Subsystem comprises a mail-server, a database server, a fire-wall server and FTP server. Network:: a thin wire ETHERNET network BNC connections and a HUB 90 are employed. SOFTWARE
- True 64 DIGITAL Unix operating system for ALPHA servers;
- Linux operating system for the Server of the INTERNET/INTRANET database;
- SGBD Informix Online DSA v. 7.23 for ALPHA Servers;
- Windows NT. 4.0 and Windows 95 for client PCs;
- Corel Perfect Office for DTP;
- Common Software application by Hyperscript Tools on client PCs;
- Acrobat Exchange to process the patents;
- Netscape v.4 for INTERNET/INTRANET;
- Software specific of the CD-ROM collections namely Mimosa, Data Ware, etc.

Administration of the Patent Collection and of the Services Rendered to the Public (for applications, assistance on search, ways and means of getting the official publications and of gaining access to records/statistics).

#### VI. Collection, Acquisition, Preparations

OSIM exchanges documents with more than 45 foreign patent offices and international industrial property organizations.

As a result of this international exchange OSIM received in 20001

- more than 60,000 patent documents (paper);
- 1,300 official journals;
- 80 specialized reviews (paper/CD-ROMs);
- more than 500,000 patent documents (CD-ROMs).

The received patent documents (paper) are entered in a key-card in sequential order

and then classified according to the International Patent Classification. The patent collection of Romania comprises 130.000 patent applications and 117,000 patents and is arranged both sequentially and according to the IPC classes..

#### Management of the Collection; Storage of Documents

The National Patent Collection comprises more than 17 million documents grouped in national collections (countries) ordered by years, according to the IPC or sequentially. The storage rooms are protected against fire; they are provided with air-conditioners and partially with moving shelves.

In 1998 OSIM set up a document preservation-restoration team and the National Industrial Property Archives Bureau in charge of protecting and exploiting information in the OSIM archives.

The team was trained in document restoration at the National Archives School; its entire activity is under the control of the National Archives.

VI.3 OSIM exchanges documents with the National Library which has a complete collection of the official bulletins printed by the Office; OSIM also exchanges documents with other national offices, regional organizations and the WIPO Library.

The Office also cooperates with other Romanian libraries and especially with the libraries of other offices aiming at having a regular exchange of information and documents on industrial property.

According to its development programme OSIM set up 14 regional information centres all over the country thereby extending the dissemination of the patent literature information in the territory.

#### VI.4 Public Information Services

At its reading-room OSIM makes all its documentation available to the public and makes xerox copies of the patent documents, search reports and patent literature surveys, upon request. Upon paid order, the Offices makes searches on infringement risks in the territory of Romania.

The reading-room makes available to the public computer-aided services, providing access to the in-house databases: Access A/B, Espace Bulletin, EP-A full-text, BIB, Patents Assist, ASSIGN, CD-ROM (local search), assistance and use of external databases in the INTERNET.

In its INTERNET page - [www.osim.ro](http://www.osim.ro) the Office allows for the access of the public to a wide range of useful information: BOPI, patents, national legislation, etc.

Some of the documents were already stored in the moving shelves, the full security of those documents being under close watch.

In 2000, we embarked upon working out the Anti-Disaster Plan which was aimed at establishing the procedures of preventing disasters in the collections, the behaviour during disaster time, after-disaster actions, etc.

#### VII Mutual exchange of documents.

OSIM exchanges, on bilateral basis, Official Gazettes and patent descriptions (on paper and/or CDROM) with 44 other industrial property offices.

VIII. In 2000, OSIM had a rich promotion activity all over the national territory: more than 35 seminars on topics specific of the industrial property field, participation in many exhibitions home and abroad, organization of training courses for beginners and advanced learners in the field of industrial property and computer search, etc. OSIM participated in the international fairs organized in Geneva and Bucharest, and in some important national fairs.

In the year 2000, OSIM sent patents on paper and the related bibliographic data in electronic format to ARCANUM and EPIDOS, monthly, to have them included in the PRECES CD-ROM.

The Office published the database of patents granted in Romania in the INTERNET, said database starts with the patent no. 105544, which was the first patent granted under the Patent Law (Law no. 64/1991).

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