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WORLD INTELLECTUAL PROPERTY ORGANIZATION

GENEVA

STANDING COMMITTEE ON INFORMATION TECHNOLOGIES

ANNUAL TECHNICAL REPORT

1999

ON PATENT INFORMATION ACTIVITIES *

submitted by

HUNGARY

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

[–] 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 OF THE HUNGARIAN PATENT OFFICE ON ITS PATENT AND UTILITY MODEL INFORMATION IN 1999

I. EVOLUTION OF PATENT ACTIVITIES

The official granting activity is characterised basically by the application and examination data.

Based on the statistical results of the past five years it is clear that *patent* application activity shows a monotonously growing tendency. In 1999, 44,913 applications were filed – which means a 16,3% increase on the previous year – and out of these, 43,407 (60%) designated Hungary via the Patent Cooperation Treaty. The number of patent applications via the national route was 1506, out of which 727 were received from Hungarian and 779 from foreign applicants.

Out of domestic applications, 176 are from enterprises and 551 from independent inventors. In comparison with the previous year, it is a welcome fact that the overall decrease in the number of domestic applications seems to have come to a halt. However, the unfavourable tendency of the monotonous decrease in the number of applications filed by enterprises within the total number continues. The decline on last year is 15%.

The number of foreign applications via the national route is 13% down on 1998, in accordance with the international tendencies. Foreign applicants file their applications with particular national authorities mainly within the framework of the Patent Cooperation Treaty. Meanwhile, in a particular year, the number of PCT designations only shows the willingness to gain market share. By the end of the 21 or 31 months of the international preliminary examination phase, only a fragment, 15% of these designations are maintained, i.e. are requested to initiate the national procedure.

Based on the information above, foreign applicants filed 3001 PCT applications for the national procedure in 1999, which figure is 17% up on the previous year.

This way, *the number of applications giving real workload was 4507 in 1999*, out of which 1506 came from domestic and foreign applicants via the national route, and 3001 were national applications through PCT designation.

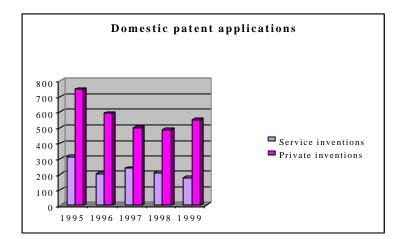
In the past five years, the number of patent applications which meant an actual workload has increased monotonously, and this is mainly the result of the increase in the number of national applications through PCT designations.

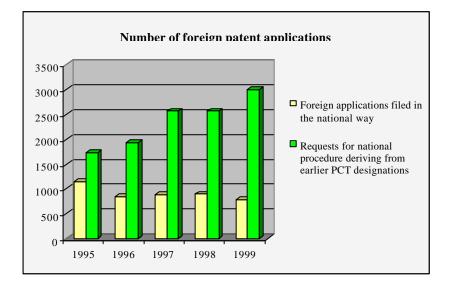
	1995	1996	1997	1998	1999
Domestic patent applications	1059	796	737	694	727
Domestic applications filed by enterprises	312	204	237	208	176
Domestic applications filed by individual inventors	747	592	500	486	551
Foreign patent applications	17718	24142	29332	37934	44186
PCT designations	16579	23297	28443	37035	43407
Foreign applications filed in the national way	1139	845	889	899	779
Requests for national procedure deriving from earlier PCT designations	1731	1939	2564	2565	3001
Total patent applications	18777	24938	30069	38628	44913

Breakdown of patent applications by origin and nature between 1995 and 1999

As regards the patent protection of Hungarian inventions abroad, the Hungarian Patent Office as receiving Office received 103 domestic applications under the Patent Cooperation Treaty, out operation for for an enterprise and 36 jointly from independent applicants and enterprises. All the 103 applications were based on domestic applications, 6 of them were filed on the basis of utility model applications.

In 1999, with due consideration of the major official aims and tasks, a determining element of the official granting activities was the passing of decisions in the unsettled cases which had been filed before the Law XXXIII of 1995 came into effect.



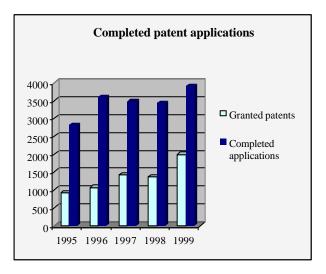


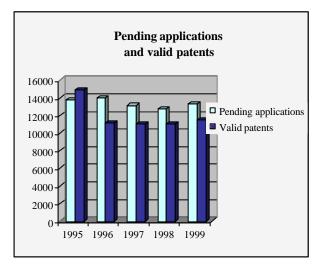
As a result of the measures taken at the beginning of the year, the number of settled cases, in comparison with the previous year's figure, has grown by 14% (from 3,444 to 3919). *51% of all the settled patent cases consisted of granted patents*, which means a 44% increase. Looking back at the statistics of the past five years, we can see that in general the number of granted patents has been continuously increasing, while that of the rejected applications has been decreasing. Meanwhile, the number of ceased cases considering all the settled cases dropped from 40% to one third in the past three years.

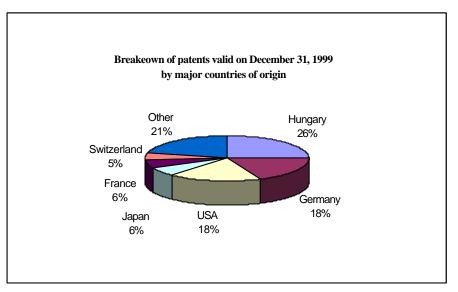
At the end of the year *the number of pending cases was 13,304*, while *that of valid patents was 11, 418* according to the patent register.

	1995	1996	1997	1998	1999
Granted patents	933	1074	1417	1371	1995
Rejections	959	708	753	713	526
Lapsed applications	936	1818	1310	1360	1398
Completed applications	2828	3600	3480	3444	3919
Pending applications	13704	13981	13105	12754	13304
Valid patents	14903	11148	10996	11013	11418

Patents granted in Hungary between 1995 and 1999







The publishing of patent applications is an important procedural step in the patent examination activity. In 1999, *4,017 patent applications were made public, and this means a 45% growth* compared with the 2,743 applications published in the previous year. In 1999, 17 appeals were made in cases decided by a board (revocation, ruling on lack of infringement, and interpretation of patent description), 17 other cases were settled and at the moment 21 cases are pending. The establishment of patent examination work is shown by the fact that along with the increasing application activity and patent granting activity, the number of cases before a board has continuously been around 20-30, out of which the number of appeals for revocation is 10-15.

EVALUATION OF UTILITY MODEL ACTIVITIES

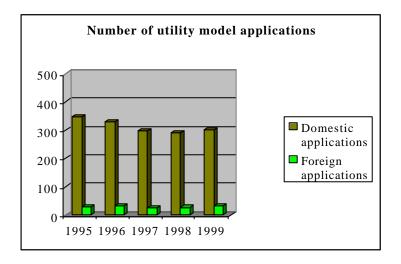
In 1999, 334 utility model applications were filed, which means a 5% increase in comparison with the 318 applications last year. The downward tendency that had been around for years seems to have reversed. 299 utility model applications were settled, out of which were granted, 19 refused and 67 ceased.

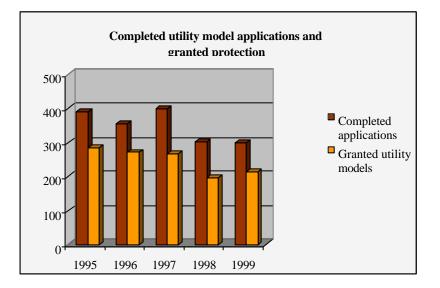
The number of pending cases at the end of the year was 280, the number utility models in effect was 982.

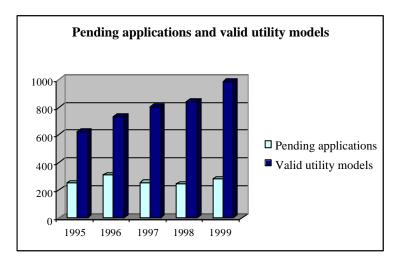
The primary goal in utility model cases was still the swift decision making. The average pendency time of one case is 10.5 months.

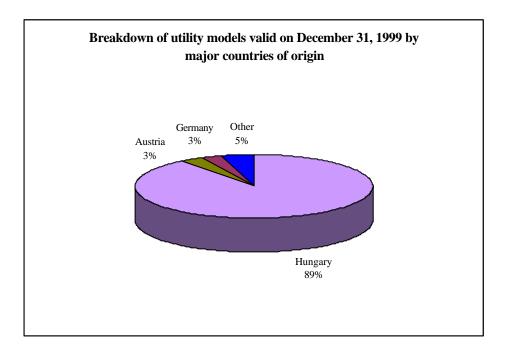
	1995	1996	1997	1998	1999
Utility model applications	378	364	324	318	334
Domestic applications	348	330	299	291	301
Foreign applications	30	34	25	27	33
Granted utility model protection	283	271	267	197	213
Rejected applications	97	68	61	39	19
Lapsed applications	11	16	70	65	67
Completed applications	391	355	398	301	299
Pending applications	253	308	255	245	280
Valid utility models	626	734	801	843	982

Utility model applications and utility model protection granted in Hungary between 1995 and 1999









II. MATTERS CONCERNING THE GENERATION, REPRODUCTION, DISTRIBUTION AND USE OF PRIMARY AND SECONDARY SOURCES OF PATENT INFORMATION

Traditional and Electronic Publication

The HPO's official publication activity is based on the computer-aided uniform administration system (ENYV). It provides the bibliographic data of each title of protection which feed the databases which, distributed on optical disk and on the Internet, support the official gazette and the search. (See item V.)

The following publications entailed much development work, and new products were also brought about.

a) Gazette of Patents and Trademarks

In the 104th volume of the official gazette of the Hungarian Patent Office we published 12 issues in 1999. Bearing in mind the year 2000, in the December issue we started to use 4 characters for marking the years.

The parallel publication of the Gazette on the Internet further decreased the number of subscribers for the paper issue. Compared with the 1998 data (290-305 subscribers) the decrease is significant: altogether 266 customers subscribed for the 3,011-page magazine in 1999.

Last year for the first time, the previous unabridged 103rd volume of the Gazette of Patents and Trademarks was also published on optical disc. The publication contains:

- the complete 1998 material of the monthly Gazette
- the articles of the bimonthly Industrial Property Review, a supplement to the Gazette and
- all the patent specifications published in printed form in 1998.

With this a new search option opened, which enables the user to search every publication in all columns of the five titles of protection at the same time, among others: **patents and utility models**, either by the application number, the publication number, the registration number, or by the inventor, the applicant or the owner – i.e. by all the so-called name-type-data. Information on the 1998 industrial property statistical data is also accessible through this publication.

The electronic publication can be viewed with all the customary web-browsers, while the patent specifications can be accessed and printed with the help of the widespread Acrobat Reader. The CD version was made in 1700 copies, subscribers for the Gazette received it free of charge; 1000 copies were annexed to the printed form of the bilingual 1998 Annual Report.

b) HUNPATÉKA: Hungarian Patent and Utility Model Database on CD-ROM and the web

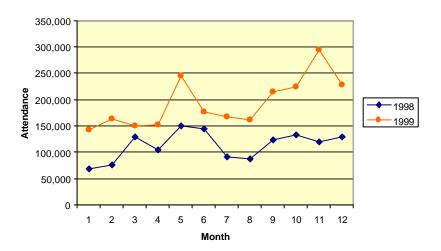
The search options of the optical disc database containing the full Hungarian patent register going back to the previous 104 years and the full utility model register going back to the previous 8 years (claims, drawings, abstract), which have been successful so far, have expanded further. The patent records have been complemented with a new field including the main data of search reports made in accordance with the new Patent Law. New, pre-made sets have been introduced: "*Plant Varieties*" and "Search Reports". The English version of the Help for the database has been completed, moreover, news appear not only in Hungarian but also in English. The appearance of the optical disc publication has also been renewed, it comes together with a 16-page English-Hungarian guide. The CD publication continues to be published every three months.

Ongoing project: Public Industrial Property Database

The modern concept integrates the data of all the forms of protection of industrial property into a unified system. The new ENYV-export- and the HUNPATÉKA-construction have been formed and the system which is established this way can fulfil the role of the electronic gazette, the electronic register, the HUNPATÉKA, and the search functions of the databases of all other types of protection not appearing in the latter at the moment, and it supports not only the optical disc but also Internet publication, besides it can be run with a batch-operation in the background. So – like in ENYV – the public data of all the forms of protection can be integrated into a unified system.

c) INTERNET and INTRANET

In May 1998 149 thousand people visited the website of the Office, which was the highest that year. In 1999 we exceeded this in almost every month. While two years ago the monthly average was 111 thousand, this figure increased to 187 thousand in 1999. We had the most visitors in May (245,514) and in November (294,409).





	Service		Total requests			
		1998	1999			
1.	Hunpatéka	74,945	368,999	5		
3.	Industrial Property Laws	57,637	182,967	3		
4.	Trademark Database	56,421	164,466	3		
2.	Gazette of Patents and Trademarks	68,083	116,960	1,7		
5.	Hungarian Inventors and Inventions	46,321	79,969	1,7		
6.	Patent Library	37,279	65,590	1,7		
7.	Industrial Design Database	23,918	32,258	1,3		
8.	News	9,520	22,424	2,3		

Most frequently used web pages of the HPO in 1998 and 1999

According to the attendance statistics the Hunpatéka database is still in the lead, the Gazette of Patents and Trademarks fell behind from the second place with the increasing popularity of "Industrial Property Laws" and the Trademark Database.

Consequent upon the developments, the Novelty search reports have been published. From the 2,587 PDF format reports 2,212 can be found on the Office's website (<u>http://www.hpo.hu/Magyar/db/hpat/ekutjel.html</u>. The search reports are linked to the corresponding columns of each edition of the Gazette database. Since September 1999, we published the timetable of the board cases with the date of the hearings in the news column. Last year up to 120 questions and requests arrived via our homepage.

Internet and Intranet access for the colleagues in the office became common at the end of the year. This is backed up by the data of the visitor-counter started at the beginning of the year showing that in the second half of the year the number of visitors was four times higher.

With the introduction of the Office Intranet service, colleagues can access up-todate data under the following headings: News, Who is Who, Basic Documents, Services, Publications, Training. This way anybody can view the presidential instructions, reminders, the office diary of events with the corresponding travel reports, the office directory (e-mail address, room number, photo etc.), the internal training schedule with the application forms, the html version of the IPC-7 and, of course, the full contents of the Internet website an internal service.

III. MATTERS CONCERNING ABSTRACTING, CLASSIFYING, RECLASSIFYING AND INDEXING OF TECHNICAL INFORMATION CONTAINED IN PATENT DOCUMENTS

For the data relating to the collection see the 1998 Report.

From January 1, 2000 on, the symbols of the new **IPC-7** are used in the bibliographic data and on the first page of the published and granted patent and utility model documents.

Hungarian Publication of the 7th Edition of the International Patent Classification

The Office has published the **Hungarian IPC-7** in 9 volumes, originally published by WIPO in English-French, containing 75,000 symbols.

The optical disc publication has the name **IP:CLASS** (Industrial Property Classification Systems). The first test publication appeared on the Office's network with the help of which the examiners could reclassify the patent and utility model documents. The disc contains the English-French version of the first seven editions of the International Patent Classification, the Hungarian version of the 5-7th editions, the 7th edition of the Nice Classification and the 4th edition of the Vienna Classification concerning trademarks, and the 7th edition of the Locarno Classification concerning industrial designs in English, French and Hungarian.

IV. SEARCH FILE ESTABLISHMENT AND UPKEEP

The patent gazettes of various countries and international organisations belong to the collections of the Public Patent Library and the Internal Patent Library complemented with the volumes of the annual indexes.

The Public Patent Library's collection of documents on microfilms is only increased by the documents and gazettes of a few countries.

Our search system is based on electronic carries (online and CD-ROM databases), except for the paper-based collection of the Internal Patent Library.

The information system of the Office is described in Chapter V.

V. ACTIVITIES IN THE FIELD OF COMPUTERIZED AND OTHER MECHANISED SEARCH SYSTEMS

Network Installation and Modernization

The *installation of the modernized local area networks* in the Patent Library units with the same technology as in the head office have also been finished, together with the *installation of the optical cables* between the head office and the units. With this all outside office units have a modern, safe connection, which enables them to provide *informatics service equivalent to that of the head office*.

Development and Maintenance of the Network Operating Systems and the User's Software

As the most important event of the year, workstation platforms have been upgraded to the new Windows NT operating system. Within its framework, a *distant-managed users' interface* has been created. With the introduction of the new, graphic ENYV, the Office has reached its goal, so that *all applications reach the users through a unified, multi-functional interface*. The *new ORACLE database management environment* has been formed, which is essential for operating and converting ENYV into a graphic platform. The full data contents of ENYV and the full implementation of the administrational and registrational tasks into the ENYV now ensures the *exclusivity of the electronic register*. After perambulating the Y2K risk factor of the different elements of the Office' IT system, the necessary actions were taken to avoid danger, sometimes as part of the developments which were otherwise necessary for the platform change. With this *the step into year 2000 was untroubled*.

Development and Operation of the IT Equipment

As part of the platform shift, all the 486 noname computers were changed, which remained from previous acquisitions, to new ZENITH computers with Windows NT operating systems. The new machines come with modern 17-inch monitors. Four ZENITH-type Novell servers have been set up and we have expanded the network manager server (SUN), too. The installation of up-to-date colour printers contributes to making higher quality registry sheets, publications and documents. The informatics acquisitions were performed by fully complying with the rules of public procurement, assets handling and safety.

Consolidation of a New Uniform User Platform

A more complex task of the year was the consolidation of the new, *unified user platform*, which besides particular converting tasks, required significant organising, training and methodological work. The ENYV converting tasks corresponding with the establishment of the unified platform were finished during the year. The platform change took place in two steps, apart from ENYV the other services moved under Windows NT in accordance with the computer/OS upgrades, while ENYV changed on 29 November. With the upgrade of the unified industrial property administration system the new unified platform provides all the functions of *administrative*

correspondence, official publications, register and fee administration, searchstatistics and the domestic and international data exchange.

Informatics audit

Our office trusted the experts chosen by the public procurement tender (BMG Rendszerház Kft. – Számalk Információs Rendszerek Rt., KPMG Hungary, IBM Hungary) with *performing an informatics audit* in respect of the *summing up of hardware and software assets, defining the safe directions of development, the office management system, the platform shift, the safe informatics handling of the year 2000 and the development of computer security work.* The documents prepared by the auditors helped us to sum up the tasks to be done, their evaluation is in progress at the moment.

VI. ADMINISTRATION OF THE INDUSTRIAL PROPERTY OFFICE LIBRARY AND SERVICES AVAILABLE TO THE PUBLIC

The Patent Library and the Industrial Property Professional Library, both offering public service, are located in the head office and in several separate buildings near to it. 16 workstations are available to access computer-readable information, out of which 2 are reserved for clients for independent search.

Optical cables connect the two reading rooms of the Public Patent Library to the informatics system of the head office. On the workstations our officials can use the same electronic information tools as in the head office (see Chapter V).

The collection of the Patent Library contains the documents of 31 countries and three international organisations on various carriers (paper, microfilm, microfiche, CD-ROM, DVD-ROM). This collection has been augmented in respect of several countries since the first decades of this century. The paper-based collection contains the documents of 10 countries and 2 international organisations up to 1990 in IPC order. The collection also contains the official gazettes of several countries together with the annual indexes. Now the collection of the Public Patent Library is increased with bibliographic and facsimile databases published on CD-ROM (see Annex).

In 1999, the Patent Library had altogether 23 patent bibliographic, 16 patent facsimile, 13 trademark and 10 other databases. The majority of facsimile databases pertains to the ESPACE series.

In 1999, the ESPACE-EP bibliographic database was published on a new carrier, on DVD-ROM.

Online services against payment have been provided in the Public Patent Library since 1997. Patent family search is performed most frequently.

Most frequently used databases: EPIDOS/INPADOC

Register of European Patents Online STN

QUESTEL

The search queries are established and the search is performed by the expert of the Patent Library according to the request of the client.

Out of the services available on the Internet <u>esp@cenet</u> is the most frequently requested item.

In 1999, 7033 persons requested the services of the Patent Libraries, 21% more than in the previous year.

Both public reading rooms are open 29,5 hours per week.

Acquisition

A considerable part of the collection of the Patent Library is acquired in the framework of document exchange and by means of subscriptions. The Annex contains the table of collection for 1999.

Industrial Property Special Library

The Industrial Property Special Library regularly supports the SMEs through its bibliographic activity.

In 1999 the number of visitors was 4,020 persons. The interlibrary loan service shows a 37% increase compared with the 1998 data.

The public services are more and more used by outsiders, in particular by university students.

The following tables show the data of the official collection:

- 1. Facsimile CD-ROM databases in the Jukebox of HPO
- 2. Patent collection of the Internal Patent Library of HPO
- 3. Patent collection of the Public Patent Library of HPO

VII. MATTERS CONCERNING MUTUAL EXCHANGE OF PATENT DOCUMENTATION AND INFORMATION

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

The HPO hands over bibliographic data abstract and/or full-text information to the following databases:

• EPIDOS/INPADOC

• ESPACE-PRECES (ACCESS-PRECES)

From November 1999 on the ESPACE-PRECES and PRECES-ACCESS products have been financed by the participating offices according to the Basic Agreement signed in Munich on October 13 and to the package of Service Contracts signed in December. The Hungarian Patent Office is responsible for the manufacture of the product, for the co-ordination of the production and for the international distribution, while production is made by Arcanum Informatics Ltd. (Hungary).

A PRECES website also available. (<u>http://www.hpo.hu/English/PRECES</u>)

- UPOVROM
- HUNPATÉKA: Hungarian Patent and Utility Model Database (See details in Chapter II)
- HUNGARIAN PATENT DOCUMENTS available on the Internet. (http://www.hpo.hu/English/db/hpat/eszl.html)

Medium used for exchange of priority documents

The HPO uses CD-R for the exchange of greater quantities of data and network or floppy disc for smaller ones.

Medium allowed for filing applications

At present, the filing of patent applications is allowed only on paper. The applications can be sent by fax, but in this case sending of "confirmation copy" is required.

Implementation of the Statement of Principles Concerning the Changeover to Electronic Data Carriers for the Exchange of Patent Documents

ESPACE-PRECES (ACCESS-PRECES)

The Office sends data on electronic carrier by means of the ESPACE-PRECES CD-ROMs. It receives the patent documents of national offices and international organisations on CDs, mainly the products in the EPO's ESPACE range.

Hungarian patent documents are available **on the Internet** in PDF format. (<u>http://www.hpo.hu/English/db/hpat/eszl.html</u>)

Novelty search reports are available **on the Internet** in PDF format. (*http://www.hpo.hu/Magyar/db/hpat/ekutjel.html*)

VIII. OTHER RELEVANT MATTERS CONCERNING EDUCATION AND **TRAINING** IN. AND PROMOTION OF, THE USE OF PATENT **INFORMATION**, TECHNICAL ASSISTANCE INCLUDING TO **DEVELOPING COUNTRIES**

Client's Service

The Office, when dealing with the public administrational tasks resulting from its statue, is in a close and continuous connection with inventors, applicants or their representatives, both directly – *through personal meetings, telephone calls, letters and electronic correspondence* – and indirectly – through their applications.

The client's service of the Office gave information in 11,943 cases personally, through telephone (green number), and in writing. Besides the 482 requests asking for general information last year, the Legal Section gave legal advice, opinion concerning the interpretation and the application of industrial property laws in 83 cases through traditional and electronic correspondence.

In addition to the general information service, the *trademark search service was* contacted personally in 5,376 cases, and in writing in 5,385 cases in 1999.

Industrial Property Training

After defining the short and long term aims of industrial property training, a targetoriented preparation started to solve the tasks of industrial property professional training and industrial property information. The training activity has brought results in three areas: training of professionals, courses aiming to convey a wide range of knowledge, and the defining of the framework of distance education. The basis of the training of professionals comprised the organising and carrying out of exams for patent attorneys, and also intermediate and advanced industrial property courses.

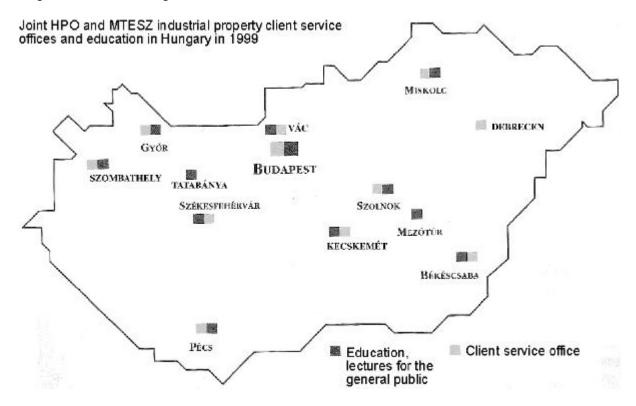
Members of twelve higher education institutions in Budapest and in the countryside could receive general industrial property education through special courses. Industrial property protection is an alternative subject at the Technical University of Budapest.

	Periods o	f training	Number of participants		
	1998	1999	1998	1999	
Patent attorney examinations	_	_	_	3	
Advanced courses	60	120	19	33	
Intermediate courses	260	180	141	63	
Special courses	152	150	282	300	

Figures of industrial property training in 1998 and 1999

Distance education is a new method in modern education which reaches a wider audience. According to our experience, those professionals take part in this form of education, who are not able to participate in less flexible forms of education because of their lack of time.

The appropriate conditions of industrial property training also include the providing of notes, teaching materials, and help for preparation, besides the organising of professional and special courses.



The basic requirement of wide-ranging training on different levels is the wellprepared trainer. More and more professionals from the Office join training and education. This year, 23 persons participated in professional and special courses and in informative presentations as lecturers.

Promotion and Press Activity

a) Participation in Domestic R+D programmes

Initiated by the National Committee for Technological Development (OMFB) and the Ministry of Education (OM), the Office is taking part in the accomplishment of industrial property tasks concerning the Hungarian participation in the European Union's Fifth Framework Programme for Research, Technological Development and Demonstration. Commissioned by the Ministry of Economy and supported by OMFB/OM, the Office co-ordinates the preparation of a study on the reform of the competition system supporting the patenting abroad. The committee created with this purpose had a number of meetings throughout the year. Interesting suggestions and partial studies have been made, and the committee have also prepared a questionnaire for public opinion polls.

b) Exhibitions

A well-tried method of spreading industrial property culture and developing industrial property knowledge in the past few years has been the organisation of special international and domestic programmes. PATINNOVA '99 and the EPIDOS conference, which were organised in Greece, stand out of the series of international programmes. A high-quality national stand was there at the disposal of the interested public.

Our official presence in domestic exhibitions was motivated by our intention to mobilize the professional public, and to raise the awareness of industrial property protection forms among professionals. With these purposes, the Office appeared in MACHTECH, the International Exhibition on Machine Manufacturing Technology, in the Hódmezovásárhely Live-stock Farming Days, and in the Absolut Design exhibition which displayed the trends in interior design.

Our participation in INDUSRIA '99 and in INNOFÓRUM has justified our traditionally effective viewpoints on providing information.

c) Awards

The President of the Hungarian Patent Office presented the Jedlik Ányos Prizes in the first week of March, as already a tradition, to honour outstanding inventors' activity and industrial property work of excellent quality. In 1999, five persons were given the Jedlik Ányos Prize.

In 1997, on the occasion of the Day of Hungarian Science, the President of the Hungarian Patent Office, in concert with the President of the Hungarian Academy of Sciences, established the "Prize of the Academy for Outstanding Patents". The prize is dedicated to academic inventors of internationally well-known inventions of high level in the fields of technical development, agricultural technology, applied physics, applied chemistry and applied biology. In 1999, the Prize of the Academy was awarded to three persons.

d) Major Events

The conference room of the Hungarian Patent Office gave home to sixteen major programmes in 1999. Some of these carried remarkable significance in Hungary, namely:

- the Jedlik Ányos Prize giving ceremony on 11 March,
- an anniversarial ceremony and chamber exhibition called "10 years of the Novofer Foundation and the Gábor Dénes Prize" on 8 June,
- a joint programme of the Ministry of Education, the Hungarian Patent Office and the Hungarian Association for Innovation with the title "YOUTH-INNOVATION-SCIENCE",
- "In memoriam M.C. Escher" chamber exhibition, a part of a series of exhibitions called "Science-Technology-Art" which displayed the works of eleven contemporary artists close to the intellect of the artist, who was born a hundred years ago and represented in individual style.

e) Competitions

The Hungarian Patent Office, together with the Hungarian Association for Innovation and the Duna Television, has for years been organising the "Youth – Innovation – Science" programme in the framework of a series of other programmes on the Day of Science. The programme aims to raise the scientific interest of the youth, to show the possibilities in research and development for young people starting out on a career, to stimulate innovative activities. During the programme, the 9^{h} National Youth Competition in Science and Innovation was announced along with the results of the joint competition with the Ministry of Education called "Study group work as the place to educate to think innovatively".

The Ministry of Education and the Hungarian Patent Office announced the 2^{nd} scientific study group competition, for which a lot of secondary school students have submitted high-level competition papers.

To honour the 100th anniversary of the birth of Dénes Gábor, the world-famous Hungarian engineer-physicists, the Office launched a competition to award new

creations and research-development achievements in the field of applied physics, informatics and environment protection. 29 competition papers arrived before the registration deadline, 30 September, 1999. A curiosity of the call for the competition is that the Office provides a free information package and an opportunity to explore the industrial property aspects of the subject of the research. The prize of the competition was called jointly for the young searchers and the tutors supporting their early search career.

Aiming to widen and deepen the industrial property awareness, the Office participated with its material and professional resources in the awarding of prizes of different competitions on innovation, design and development. For the first time this year in the "Industrial Design Prize for Outstanding Achievement" and for years in the "Innovation Grand Prize Competition" and the "National Youth Science and Innovation Competition".

f) Publications

A success of our publishing activity is the publication of the "Guidelines for Patent Examination" in a bound form. The 1^{st} and 2^{nd} chapters from last year were followed by other ones in February, 2000. It is a useful reading, both for the experts in the Office and for patent attorneys, inventors interested in it and for participants of advanced industrial property training as well.

Several guides and brochures helped the familiarization with the work of the Office, and the industrial property protection, for example the "Summary" about the national industrial property protection system in English, the Inventors' Guide, the Education booklet or the Guide to the optical databases.

A floppy disc named "**MSZH 98**" (syst. WINDOWS 3. and above) contains the full procedure carried out by the Hungarian Patent Office - by means of an ingenious flow chart and an explanatory text - in all the categories of industrial property protection i.e. **patent, utility model**, trademark, industrial design. It is available both for internal use and also for public purposes.

g) Public Opinion Poll

A time consuming task of the year entailing considerable costs was the preparation and organisation of a public opinion poll with the participation of outsider experts, which aims to study the opinion of various target groups by surveying the industrial property awareness and identifying the needs.

The representative survey carried out amongst small and medium entrepreneurs, teachers and students of higher education institutions and professionals who are already familiar with industrial property and the Hungarian Patent Office provided us with a series of studies and data which may be the basis of a target-oriented promotion activity in the long run.

h) Press Activity

The ongoing and fundamental principle of the Hungarian Patent Office concerning its public appearance is the open and transparent informative behaviour. All through the year, the Office released statements to the press with monthly periodicity, which informed them about official facts, results, and also about international and national events in the field of intellectual property protection.

These statements appeared also on the Internet website of the Office both in Hungarian and in English. One press conference was held on 11 March.

The Office appeared altogether 300 times in the Hungarian media in connection with industrial property protection and copyright issues. The coverages released exclusively on the activities of the Office numbered 183. We are witnessing a growing interest in the copyright issues in the field of intellectual property.

i) Co-operation Agreements

From among the agreements with professional organisations, the one signed with the Association of Technical and Scientific Societies (MTESZ) is of outstanding importance. According to the agreement, the two organisations wish to pursue a concerted activity in order to increase the preparedness, the industrial property awareness, and the competitiveness of experts in the fields of technology, science, agriculture and economics. In order to achieve this, an industrial property client service extending to ten counties has been set up. The offices are located in the MTESZ Houses of Science and Technology, where the colleagues involved in the service have at least intermediate level exam in industrial property protection, and are supported in their work with industrial property databases installed on the spot.

The series of conferences jointly organised by the Office and "OPTIMUM – Joining forces for consumers" foundation can be considered a new start-up. So far the programmes have visited four county centres (Pécs, Békéscsaba, Miskolc, Szombathely), and called the attention of the interested to the practical aspects of intellectual property protection and consumer protection through a series of presentations on industrial property and consumer protection.

The Office has had a successful joint work, based on co-operation agreements, with the Hungarian Association for the Protection of Industrial Property and Copyright (MIE), the Association of Hungarian Inventors, the Hungarian Trademark Association, the Hungarian Association for Innovation, the Jedlik Ányos Society, the Novofer Foundation and the Hungarian Academy of Engineers.

The program organising, training and publication editing activity of the cooperation of the Office and the MIE deserves distinguished attention, along with the infrastructural and information support of the international successes of the Hungarian inventors' society. An outstanding event resulting from that support was the participation of our country in the EUREKA '99 World Invention Salon, opened by the President of the Office, in the framework of the 1999 EUROPALIA in Brussels.

Enclosures

Facsimile CD-ROM databases in the JUKEBOX

31. 12. 1999.

country code	databases	document kind		document number range		period
US	USAPAT	А	5,274,846	_	5,926,841	04.01.1994. – 20.07.1999.
EP	ESPACE-EP	A1, A2	1	_	967,852	20.12.1978. – 29.12.1999.
		A3	91,600	_	966,005	01.01.1989. – 29.12.1999.
WO	ESPACE-WORLD	A1, A2	91/00,001	_	99/67,979	10.01.1991. – 29.12.1999.
		A3	91/09,524	_	99/60,810	07.07.1994. – 25.11.1999.
BG		А	48,221	_	62,139	15.01.1991. – 31.03.1999.
CZ		В	272,051	_	285,339	30.09.1991. – 14.07.1999.
HU		В	204,000	_	216,004	28.11.1991 05.02.1999.
LT	ESPACE-PRECES	В	3,001	_	4,549	25.08.1994. – 26.04.1999.
LV		В	10,001	_	12,114	20.10.1994. – 20.09.1998.
PL]	В	153,900	_	175,909	30.09.1990 30.03.1999.
RO]	А	100,001	_	111,998	30.09.1990 30.04.1997.
SK		В	277,680	_	279,639	08.12.1993. – 11.01.1999.

Patent collection of the Internal Patent Library

(paper and facsimile CD-ROM)

31.	12.	1999.

country	name of	docu	ment	document nur	nber range	period	file building
code	databases	kind	carrier				
US		А		4,918,752 –	5,644,773		classified order
	-	Re	paper	33,202 –	35,550	24.04.1990 01.07.1997.	
		Рр		7,222 –	9,945		numerical order
		А		5,404,590 -	5,996,114		
	USAPAT	Re	facs. CD	36,020 –	36,422	11.04.1995. – 30.11.1999.	numerical order
		Рр		9,101 –	11,140		
EP	-	A1, A2	paper	349,277 –	722,200	30.01.1990. – 17.07.1996.	classified order
		A1, A2		785,710 –	949,858	30.07.1997. – 13.10.1999.	
	ESPACE-EP	A3	facs. CD	785,684 –	948,029	30.07.1997. – 13.10.1999.	numerical order
		В		non-charac	cteristic	04.01.1995. – 08.12.1999.	
WO	-	A3	paper	89/01,970 –	94/07,228	11.01.1990. – 31.03.1994.	numerical order
HU	-	В	paper	199,053 –	216,997	28.01.1990. – 10.08.1999.	classified order
		U	paper	1 –	1,665	28.08.1992. – 29.11.1999.	
	ESPACE-PRECES	В	facs. CD	204,000 -	216,004	28.11.1990. – 05.02.1999.	numerical order
UK	ESPACE-UK	А	facs. CD	2,257,003 -	2,313,447	06.01.1993. – 26.11.1997.	numerical order

FR	COSMOS	А	facs. CD	2,697,719 –	2,779,317	13.05.1994.	- 03.12.1999.	numerical order
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JP	JPO	А	facs. CD	05-000,001	_	08-066,100	08.01.1993	08.03.1996.	numerical order
		U		05-000,001	_	08-000,485			
BG		А		48,221		62,139	15.01.1991	31.03.1999.	
CZ		В		272,051		285,339	30.09.1991	14.07.1999.	
LT		В		3,001		4,549	25.08.1994	26.04.1999.	
LV	ESPACE-PRECES	В	facs. CD	10,001		12,114	20.10.1994	20.09.1998.	numerical order
PL		В		153,900		175,909	29.11.1991	30.03.1999.	
RO		А		100,001		111,998	30.09.1990	30.04.1997.	
SK		В		277,680		279,639	08.12.1993	11.01.1999.	

(bibliography databases)

country code	databases	document number (from)	period (from)
EP	ESPACE ACCESS EP-B	1	1980 –
EP, WO	ESPACE ACCESS	1 –	1978 –
HU	HUNPATÉKA	5792 –	1896 –
JP	Patent Abstract of Japan	51-000001 - 9-056200	1976 – 1997
KR	Korean Patents Abstract	79/000001 -	1979 –
UK, CH, BE, LU, NL, PT	ESPACE ACCESS EUROPE	variable	1978 –

US	USPS	3858241 -	1976 –
US, WO, EP, UK, DE, FR, CH	GLOBALPat	variable	1971 –

Patent Collection of the Public Library 31.12.1999.						
Country	Period	Document number range	File building	Carrier	Reading room	
Australia (AU)	1985–1999	541.245-690.495	numerical order	microfiche	Szabadság tér 2.	
Australian AU B	1998–1999	699.752-714.391	numerical order	CD-ROM	Perczel Mór u. 2.	
Austria (AT)	1899–1925	1-100.000	numerical order/Austrian class.	paper	Szabadság tér 2.	
	1925-1963	100.001-230.900	Austrian classification	microfilm	Zoltán u. 6.	
	1964–1971	230.901-295.400	Austrian classification	paper	Zoltán u. 6.	
	1972–1991	295.401-393.050	IPC 1–5	paper	Zoltán u. 6.	
ESPACE-AT	1992–1999	393.901-405.950	numerical order	CD-ROM	Perczel Mór u. 2.	
Belgium (BE)						
ESPACE-BENELUX	1991–1999	1.002.342-1.010.736	numerical order	CD-ROM	Perczel Mór u. 2.	
ESPACE ACCESS-EUROPE	1980–1999	730.041-	bibliography	CD-ROM	Perczel Mór u. 2./Network	
Bulgaria (BG)						
ESPACE-PRECES	1993–1999	48.221-62.139	numerical order	CD-ROM	Perczel./Zoltán/Jukebox	
ESPACE ACCESS-PRECES	1993–	48.221-	bibliography	CD-ROM	Perczel/Zoltán/Network	
Czech Republic (CZ)						
ESPACE-PRECES	1995–1999	277.680-285.339	numerical order	CD-ROM	Perczel/Zoltán/Jukebox	
ESPACE ACCESS-PRECES	1995–	277.680-	bibliography	CD-ROM	Perczel/Zoltán/Network	
Czechoslovakia (CS)						
ESPACE-PRECES	1993–1995	272.051-277.679	numerical order	CD-ROM	Perczel/Zoltán/Jukebox	
Denmark (DK)	1982–1990	154.901-157.382	numerical order	microfiche	Szabadság tér 2.	
ESPACE-DK	1990–1999	157.383-172.417	numerical order	CD-ROM	Perczel Mór u. 2.	
European Patent Office (EP) A3	1985–1990	30.640-356.106	numerical order	paper	Perczel Mór u. 2.	
A1,A2	1983–1989	97.201–349.276	IPC 3–4	paper	Zoltán u. 6.	
ESPACE–EP A1,A2	1978–1999	1–967.852	numerical order	CD-ROM	Perczel Mór u. 2./Jukebox	
ESPACE–EP A3	1989–1999	91.600–950.893	numerical order	CD-ROM	Perczel Mór u. 2./Jukebox	
ESPACE-ACCESS	1978–	1–	bibliography	CD-ROM	Perczel/Zoltán/Network	
ESPACE-BULLETIN	1978–	1–	bibliography / legal status	CD-ROM	Perczel Mór u. 2./Network	
GLOBALPAT	1978–	1–	IPC, bibliography	CD-ROM	Perczel Mór u. 2./Zoltán u. 6.	
Finland (FI)	1990–1999	80.101-103.314	numerical order	microfiche	Szabadság tér 2.	
France (FR)	1952–1955	1.039.912-1.096.200	numerical order	neg. microfilm	Zoltán u. 6.	
	1955–1969	1.096.201-1.605.264	IPC	microfilm	Zoltán u. 6.	
	1969–1989	2.000.001-2.633.486	IPC 1–4	paper	Szabadság tér 2.	
	1990–1994	2.633.487-2.692.099	numerical order	paper	Szabadság tér 2.	
COSMOS	1992–1999	2.663.812-2.779.901	numerical order	CD-ROM	Perczel Mór u. 2.	
BREF	1978–	2.354.033-	bibliography	CD-ROM	Perczel Mór u. 2.	
GLOBALPAT	1984–	2.529.432-	IPC, bibliography	CD-ROM	Perczel Mór u. 2./Zoltán u. 6.	

Country	Period	Document number range	File building	Carrier	Reading room
German Democratic Republic(DD)	1961–1971	30.000-80.000	German classification	microfilm	Zoltán u. 6.
	1972–1989	86.800-277.361	IPC 1–4	paper	Szabadság tér 2.
	1981–1998	200.342-302.034	numerical order	microfiche	Szabadság tér 2.
Germany (DE)	1914–1932	269.101-567.000	German class. (fragmentary)	paper	Szabadság tér 2.
	1932–1968	561.001-1.303.920	German classification	microfilm	Zoltán u. 6.
AS/PS	1968–1990	1.303.921-4.007.942 *	IPC 1–5	paper	Szabadság tér 2.
OS	1968–1991	1.400.003-4.109.093 *	IPC 1–5	paper	Zoltán u. 6.
ESPACE-DE/DEPAROM ACT	1991–/1993–	non-characteristic data	numerical order	CD-ROM	Perczel Mór u. 2./Zoltán u. 6.
ESPACE-DEU/DEPAROM-U	1991–/1994–	doc. number restarted each year	numerical order	CD-ROM	Perczel Mór u. 2./Zoltán u. 6.
PATOS	1980–	non-characteristic data	bibliography	CD-ROM	Perczel Mór u. 2./Zoltán u. 6.
GLOBALPAT	1982–	3.100.003-*	IPC, bibliography	CD-ROM	Perczel Mór u. 2./Zoltán u. 6.
Great Britain (GB)	1948–1956	600.000-764.680	numerical order	neg. microfilm	Zoltán u. 6.
PS	1957–1969	764.681-1.150.000	IPC	microfilm	Zoltán u. 6.
	1969–1984	1.150.001-1.605.225	IPC 1–3	paper	Szabadság tér 2.
AS	1979–1991	2.000.001-2.232.861	IPC 2–5	paper	Szabadság tér 2.
ESPACE–UK	1991–1999	2.232.862-2.338.876	numerical order	CD-ROM	Perczel Mór u. 2.
GLOBALPAT	1980-	1.577.283-	IPC, bibliography	CD-ROM	Perczel Mór u. 2./Zoltán u. 6.
ESPACE ACCESS-EUROPE	1980–	2.023.381-	bibliography	CD-ROM	Perczel Mór u. 2./Network
Hungary (HU)	1896–1992	5.792-204.000	numerical order	microfilm	Zoltán u. 6.
	1896–1999	5.792-216.997	numerical order (volum)	paper	Perczel Mór u. 2.
	1915–1999	66.266–216.997	IPC 1–	paper	Perczel Mór u. 2.
	1961–1992	150.001-204.000	numerical order (volum)	paper	Zoltán u. 6.
Utility model	1992–1999	1–1.665	IPC 5–	paper	Perczel Mór u. 2.
ESPACE-PRECES	1993–1999	204.000-216.004	numerical order	CD-ROM	Perczel/Zoltán/Jukebox
HUNPATÉKA	1896–	5.792–	bibliography	CD-ROM	Perczel/Szab.tér/Zoltán /Network
ESPACE ACCESS-PRECES	1993–	204.000-	bibliography	CD-ROM	Perczel/Zoltán/Network
INPADOC-EPIDOS/PCS	1968–1995	non-characteristic data	IPC	microfiche	Zoltán u. 6.
Italy (IT)					
ESPACE-IT	1993–1995	non-searchable	bibliography	CD-ROM	Perczel Mór u. 2.
Japan (JP)					
Patent Abstract of Japan	1977–1994	doc. number restarted each year	numerical order (fascicule)	paper	Szabadság tér 2.
JPO (A,B,C,Y)	1993–1997	doc. number restarted each year	numerical order	CD-ROM	Perczel Mór u. 2.
PAJ	1976–1993	doc. number restarted each year	IPC, bibliography	CD-ROM	Perczel Mór u. 2.
PAJ	1994–1996	06/00001-	numerical order, bibliography	CD-ROM	Perczel Mór u. 2.

Country		Period	Document number range	File building	Carrier	Reading room
Latvia (LV)		1 0110 0	2 0000000000000000000000000000000000000			
ESPACE-PRECES		1994–1998	10.001–12.114	numerical order	CD-ROM	Perczel/Zoltán/Jukebox
ESPACE ACCESS-PRECES		1994–	10.001-	bibliography	CD-ROM	Perczel/Zoltán/Network
Lithuania (LT)						
ESPACE-PRECES		1994–1999	3.001-4.549	numerical order	CD-ROM	Perczel/Zoltán/Jukebox
ESPACE ACCESS-PRECES		1994–	3.001-	bibliography	CD-ROM	Perczel/Zoltán/Network
Luxemburg (LU)						
ESPACE-BENELUX		1991–1999	87.594–90.336	numerical order	CD-ROM	Perczel Mór u. 2.
ESPACE ACCESS-EUROPE		1980-	64.760–	bibliography	CD-ROM	Perczel Mór u. 2./Network
Netherlands (NL)	А	1990–	publ. number restarted each year	numerical order	microfilm	Zoltán u. 6.
	С	1980-	180.064-*	numerical order	microfilm	Zoltán u. 6.
ESPACE-BENELUX	А	1991–1999	publ. number restarted each year	numerical order	CD-ROM	Perczel Mór u. 2.
ESPACE-BENELUX	С	1995–1999	1.000.048-1.012.312 *	numerical order	CD-ROM	Perczel Mór u. 2.
ESPACE ACCESS-EUROPE	А	1980–	publ. number restarted each year	bibliography	CD-ROM	Perczel Mór u. 2./Network
ESPACE ACCESS-EUROPE	С	1995–	1.000.001-*	bibliography	CD-ROM	Perczel Mór u. 2./Network
Norway (NO)		1990–1997	163.121–304.810	numerical order (incomplete)	microfiche	Szabadság tér 2.
OAPI						
ESPACE-OAPI		1966–1992	0000001-0009545	numerical order	CD-ROM	Perczel Mór u. 2.
PCT/WO (WO)			doc. number restarted each year:			
ESPACE-WO		1978–1999	78/00001–99/56.518	numerical order	CD-ROM	Perczel Mór u. 2.
ESPACE-ACCESS		1978–	78/00001-	bibliography	CD-ROM	Perczel/Zoltán/Network
GLOBALPAT		1978–	78/00001-	IPC, bibliography	CD-ROM	Perczel Mór u. 2./Zoltán u. 6.
Poland (PL)		1982–1989	130.020–153.889	numerical order (incomplete)	microfiche	Szabadság tér 2.
ESPACE-PRECES		1993–1999	153.900-175.909	numerical order	CD-ROM	Perczel/Zoltán/Jukebox
ESPACE ACCESS-PRECES		1993–	153.900-	bibliography	CD-ROM	Perczel/Zoltán/Network
Portugal (PT)						
ESPACE ACCESS-EUROPE		1980–	70.653–	bibliography	CD-ROM	Perczel Mór u. 2./Network
Republic of Korea (KR)			doc. number restarted each year:			
KOREAN PATENT ABSTRA	ACTS	1979–	7900001-	bibliography	CD-ROM	Perczel Mór u. 2.
Romania (RO)						
ESPACE-PRECES		1993–1997	100.001–111.998	numerical order	CD-ROM	Perczel/Zoltán/Jukebox
ESPACE ACCESS-PRECES		1993–	100.001-	bibliography	CD-ROM	Perczel/Zoltán/Network

Country	Period	Document number range	File building	Carrier	Reading room
Russian Federation (RU)			C		<u> </u>
	1991–1997	2.001.540-2.025.913	numerical order	microfiche	Szabadság tér 2.
PATENTS OF RUSSIA	1994–1999	2.045.142-2.143.792	numerical order	CD-ROM	Perczel Mór u. 2.
Slovakia (SK)					
ESPACE-PRECES	1995–1999	277.680-279.639	numerical order	CD-ROM	Perczel/Zoltán/Jukebox
ESPACE ACCESS-PRECES	1995–	277.680-	bibliography	CD-ROM	Perczel/Zoltán/Network
Slovenia (SI)		doc. number restarted each year:			
ESPACE-SI	1991–1998	9100001–9800322	numerical order	CD-ROM	Perczel Mór u. 2.
Soviet Union (SU)	1970–1992	258.180-1.785.594	numerical order (abstract)	paper	Szabadság tér 2.
	1980–1993	1.001.563-2.001.539	numerical order (incomplete)	microfiche	Szabadság tér 2.
Sweden (SE)	1985–1998	437.514–508.789	numerical order	microfiche	Szabadság tér 2.
Switzerland (CH)	1892–1958	1-335.500	Swiss classification	paper	Szabadság tér 2.
	1959–1968	335.501-467.000	German classification	microfilm	Zoltán u. 6.
	1969–1993	467.001-682.116	IPC 1–5	paper	Szabadság tér 2.
ESPACE-CH	1990–1999	672.866-689.709	numerical order	CD-ROM	Perczel Mór u. 2.
ESPACE ACCESS-EUROPE	1980-	607.603-	bibliography	CD-ROM	Perczel Mór u. 2./Network
GLOBALPAT	1977–	594.280-	IPC, bibliography	CD-ROM	Perczel Mór u. 2./Zoltán u. 6.
United States of America (US)	1915–1971	1.123.212-3.596.287	numerical order (abstract)	paper	Szabadság tér 2.
	1965	3.163.865-3.166.706	numerical order	neg. microfilm	Zoltán u. 6.
	1965–1971	3.197.951-3.597.762	numerical order	neg. microfilm	Zoltán u. 6.
	1971–1989	3.597.763-4.918.751	IPC 1–4	paper	Perczel Mór u. 2.
PATENTVIEW	1990–1993	4.890.335-5.274.845	numerical order	CD-ROM	Perczel Mór u. 2.
USAPAT	1994–1999	5.274.846-5.996.114	numerical order	CD-ROM	Perczel Mór u. 2./Jukebox
CAPS	1975–	3.858.241-	bibliography	CD-ROM	Perczel Mór u. 2./Network
GLOBALPAT	1971–	3.631.538-	IPC, bibliography	CD-ROM	Perczel Mór u. 2./Zoltán u. 6

* the numbering is not consecutive

Publications of the Hungarian Patent Office issued in 1999

Official Gazette and its derivatives

- Szabadalmi Közlöny és Védjegyértesíto (The Gazette of Patents and Trademarks)
- Iparjogvédelmi Szemle (Industrial Property Review)
- Annual Name and Subject Index 1998/Név- és Tárgymutató 1998 CD-ROM
- Official publications on Industrial Property Protection 1999/Iparjogvédelmi Hatósági Kiadványok 1999 CD-ROM
- HUNPATÉKA CD-ROM

Full texts of laws and legal regulations

- Summary of Industrial Property Protection in Hungary
- Summary of Industrial Property Protection in Hungary, List of Hungarian Patent Attorneys
- A Szabadalmi Együttmuködési Szerzodés (PCT) Végrehajtási Szabályzata az 1998. január 1-jén, illetve 1998. július 1-jén hatályba lépett módosításokkal egységes szerkezetben. Szabadalmi Közlöny külön kiadás 1999.jan. (Rules of Execution of the Patent Cooperation Treaty together with the amendments of January 1, 1998 and of July 1, 1998 in consolidated structure. A special issue of the Gazette of Patents and Trademarks, January, 1999)

Guides and other informational brochures

- A szabadalmi bejelentés (Útmutató feltalálóknak) (The patent application, Guide for inventors)
- Oktatási füzet (Teaching brochure)
- Útmutató az iparjogvédelmi eljárásokról (Introduction to the industrial property procedures)
- Magyar Szabadalmi Hivatal Szabadalmi Tár, Optikai Lemezes adatbázisok (The Patent Library of the Hungarian Patent Office, Databases on Optical Disks)
- Kérdés? Felelet! Szabadalom (Question? Answer! Patent)
- Kérdés? Felelet! Védjegy. (Question? Answer! Trademark)
- Kérdés? Felelet! Használati mintaoltalom (Question? Answer! Utility Model Protection)
- Ipari mintaoltalom, Újítási jog (Industrial Design Protection,Innovation Law)
- Verzeichnis der Ungarischen Patentanwalte
- List of Hungarian Patent Attorneys
- **ESPACE PRECES** (in Hungarian and in English)

Works about history of science and technology

• Catalogue of trademark exhibition (in German and English languages)

Other Publications

- Jedlik Ányos –Díj (The Ányos Jedlik Award) Átadási ünnepség (Decoration Ceremony), 1999.
- Magyar Szabadalmi Hivatal Éves Jelentés 1999 (Hungarian Patent Office Annual Report 1999)

Budapest, 01 June 2000.