

EAPATIS – Eurasian Patent Information System.

Project Manager: *The Vice-President of the EAPO, Dr. H. Fayazov*

Dataware Department of the EAPO:

The Head of the Department, Dr. V. Sirotyuk.

Chief Specialist of the Department, Dr. A. Burtsev - speaker

EAPO, 2002

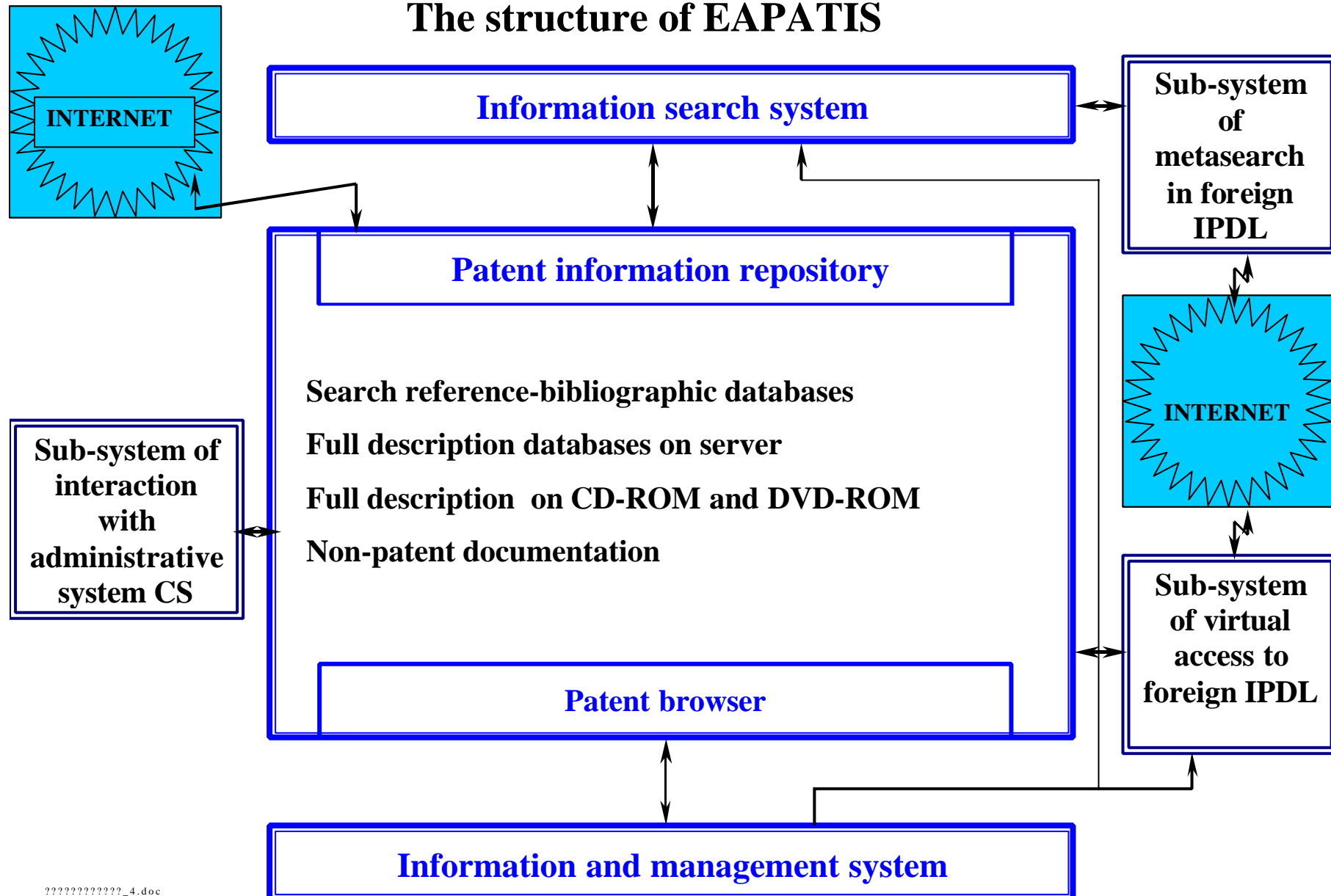
The aim of EAPATIS creation.

Improvement of examination, terms and multiaspect information and patent searches costs shortening.

The main functions .

- Electronic patent fund managing.
- Providing network access to patent information of local and external remote DBs.
- Providing of multiaspect searches within the funds from the working places of examiners .
- Storage and processing of the documents found.

The structure of EAPATIS



Fund of patent and non-patent documentation EAPO

??	Series CD	Country or organization	Content	Language	Years	Quantity CD
1.	ESPASE-WORLD	WIPO	applications	English	Since 1978	1404
2.	ESPASE-EP/A	EPO	applications	English	Since 1978	1328
	ESPASE-EP/B		patents		Since 1980 - ?/?	916
3.	USAPAT	USA	patents	English	Since 1790	350 (DVD)
						1104
						93 (DVD)
4.	??	EAPO	Applications and patents	Russian	Since 1994	38
5.	DIAPAT	Russia	patents	Russian	1994 -2000	41
			applications			8
	ESPASE		patents		Since 2000	17
			applications			7
6.	ESPASE-AT	Austria	patents	German	Since 1990	62
7.	ESPASE-UK	GB	patents	English	Since 1979	390
8.	ESPASE-BE	Benelux	patents		Since 2001	6
9.	ESPASE-DE	DE	patents	German	1991 - 1994	178
10.	ESPASE-DE/U		patents		1994	11
	DEPAROM-ACT		patents		Since 1995	461
	DEPAROM-U		patents		Since 1995	150
11.	BREF	France	patents	France	Since 1978	51
12.	ESPASE-CH	Swiss	patents	German	Since 1990	36
13.	PAJ	Japan	patents	English, Japanese	Since 1976	227
14.	ESPASE-AU	AU	patents	English	Since 2000	20
15.	ESPASE-CA	Canada	applications	English	Since 1999	263
			patents		Since 2000	73
16.	GlobalPAT	WIPO	patents	English	1971 - 2000	279
17.	Inspec	IEEE	Non-patent literature	English	1988 - 1999	13
18.	Jopal	Wipo	Non-patent literature	English	1981 - 1997	1

INFORMATION REPOSITORY

Search reference-bibliographic databases

- EAPO
- RUSSIA
- WIPO
- EPO
- Countries of Europe
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- Non-patent documentation

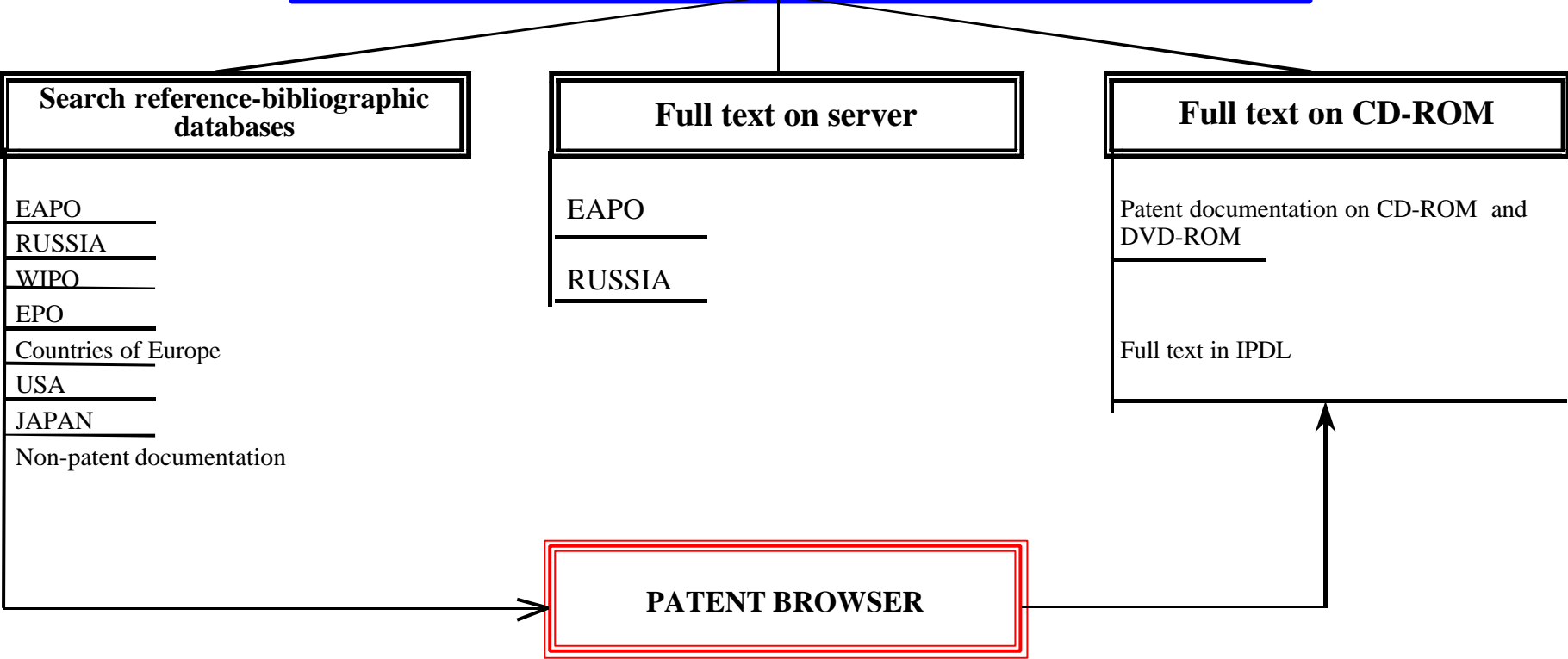
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- EAPO
- RUSSIA

Full text on CD-ROM

- Patent documentation on CD-ROM and DVD-ROM
- Full text in IPDL

PATENT BROWSER



Databases summary sheet on 21.08.2002

?	DB	Documents	Size of index files	Size of abstracts and full texts.
1.	EAPO	6572	0.034 Gb	11.7 Gb
2.	EPO	1949525	3,334Gb	0.118
3.	Japan	2547577	6.06 Gb	2,398Gb
4.	Globalpat	2409149	4.65 Gb	1.16 Gb
5.	Europe	1261794	1.5 Gb	
6.	WIPO	698278	1,545 Gb	0.384 Gb
7.	USA	6867246	1.02 Gb	
8.	Jopal	117876	0.115 Gb	
9.	Russia	376448	1.06 Gb	5.14 Gb (abstr.)14.6 Gb (CD)
10.	Canada	31993	0.0964 Gb	0.0206 Gb
	Summary:	16266458	19.435 Gb	35.52 Gb

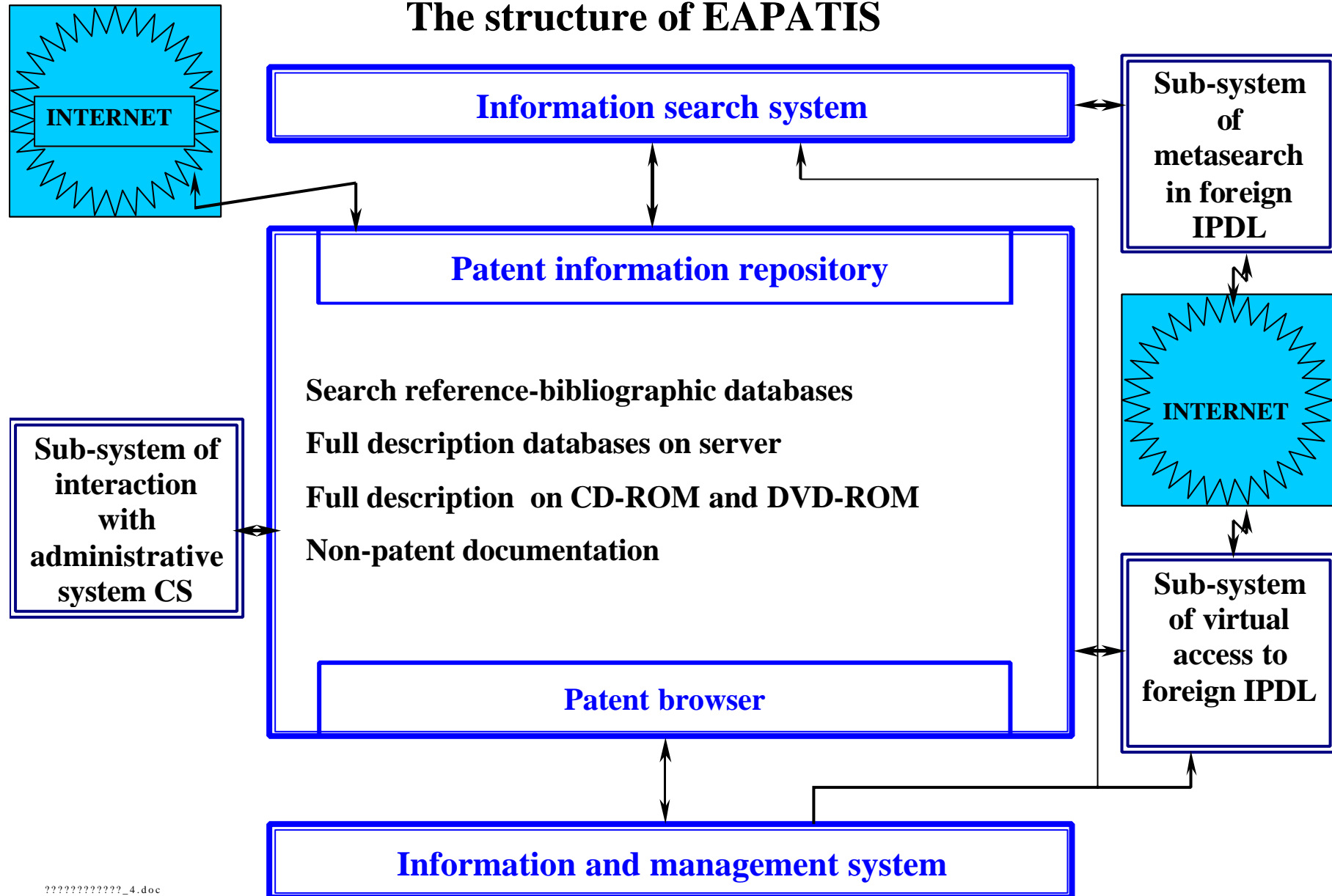
The information and management system

1. Extraction and conversion of reference-bibliographic information from CD.
2. Loading of search DBs and full descriptions' DBs.
3. Administrating of DB.
4. Management of network access to information repository.
5. Statistics.

SEARCHING FEATURE OF EAPATIS

1. Multiaspect searches using logical functions «AND» and «OR».
2. Search using name, thematic and numerical signs.
3. Cross-searches in several DBs.
4. Virtual access to foreign IPDL.
5. Metasearch in foreign IPDL.
6. Forming search reports and information found lists in HTML – pages mode.
7. Forming necessary documents' selections for further work.
8. Display on computer screen the reference-bibliographic information and full texts, stored on server, CD-ROMs (DVD-ROMs, without query to search systems for work with disks (Patent browser)).

The structure of EAPATIS



 **EURASIAN PATENT INFORMATION SYSTEM**

Patent fund of EAPO	Query	Search Indexes
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- WIPO (1978-1999)
- WIPO (since 2000)
- EPO (1978-1990)
- EPO (1991-1999)
- EPO (since 2000)
- USA (ID,PN,SS)
- EAPO
- CIS
- Russia
- Europe
- Japan (1976-1993)
- Japan (1994-96)
- Japan (1997-99)
- Canada
- GLOBALPAT (1997-1998)
- GLOBALPAT IPC (1971-1996)
- GLOBALPAT IPC (1971-1996, continue)
- JOPAL

[Database Summary Sheet](#)

KW	laser* лазер
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- ID Code of country + document's number + document's type
- AN Country code + application number
- DD Publication date and priority date
- IC IPC classification
- NM Applicant, inventor, author
- KW Keywords (in title and abstract)
- PN Publication number
- SS CDROM's volume
- CC Country of applicants, inventors (only for EAPO)
- WO WIPO publication and priority data (only for EAPO)
- TX EAPO only. Keywords for fulltext search

Metasearch in IPDL

International patent databases

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International Patent Information Services

DB of national patent offices

USPTO

International non-patent information services

National patent offices

You looked for the following: *(laser* OR ääçãð)<TITLE OR ABS> AND (c01b)<IPC>*
215 matching documents were found.
To see further result lists select a number from the JumpBar above.

Click on any of the Patent Numbers below to see the details of the patent

Basket	Patent Number	Title
<input type="checkbox"/>	US6429942	Using a 2D displacement sensor to derive 3D displacement information
<input type="checkbox"/>	WO02053490	METHOD OF MAKING OPTICAL FLUORIDE LASER CRYSTAL COMPONENTS
<input type="checkbox"/>	RU2180870	METHOD FOR PRODUCTION HIGH-CONCENTRATION 13C ISOTOPE (OPTIONS)
<input type="checkbox"/>	WO0242204	RAPID MANUFACTURING OF CARBON NANOTUBE COMPOSITE STRUCTURES
<input type="checkbox"/>	US6391229	Borate crystal, growth method of the same and laser equipment using the same
<input type="checkbox"/>	IE890329L	DIAMOND LASER AND METHOD OF PRODUCING THE SAME AND METHOD OF ACTING THE SAME
<input type="checkbox"/>	US6387531	Metal (silicon) oxide/carbon composite particles
<input type="checkbox"/>	CN1347843	Laser impact process of synthesizing nanometer diamond bead (sol) continuously
<input type="checkbox"/>	FR2816330	No English title available.
<input type="checkbox"/>	EP1190987	Method of synthesizing carbon nanotubes and apparatus used for the same
<input type="checkbox"/>	US2002000541	Cesium-lithium-borate crystal and its application to frequency conversion of laser light
<input type="checkbox"/>	JP2001320135	SEMICONDUCTOR LASER DEVICE
<input type="checkbox"/>	JP2001308424	HIGH FREQUENCY DISCHARGE TYPE EXCITATION OXYGEN GENERATOR FOR IODINE LASER AND GENERATING METHOD FOR HIGH FREQUENCY DISCHARGE EXCITATION
<input type="checkbox"/>	US6301968	Vibration measurement method and apparatus
<input type="checkbox"/>	JP2001261982	PLASTIC WHICH CAN BE LASER-MARKED
<input type="checkbox"/>	JP2001259373	METHOD FOR GASIFYING TREATMENT OF SOLID PRODUCT IN LASER ISOTOPE SEPARATION
<input type="checkbox"/>	US6296784	Cesium-lithium-borate crystal and its application to frequency conversion of laser light
<input type="checkbox"/>	US2001019014	Process for producing amorphous material containing single crystal or polycrystal and material produced
<input type="checkbox"/>	US2001011465	Fused silica having high resistance to optical damage

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Next 50 Hits

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Refine Search

- | PAT.
NO. | Title |
|-------------|--|
| 1 | 6,447,745 Catalytic oxidation process |
| 2 | 6,447,742 Gas carburizing of tungsten carbide (WC) powder |
| 3 | 6,429,943 Critical dimension analysis with simultaneous multiple angle of incidence measurements |
| 4 | 6,429,942 Using a 2D displacement sensor to derive 3D displacement information |
| 5 | 6,426,134 Single-wall carbon nanotube-polymer composites |

WIPO (since 2000) 21

IC C03B*	436	Esp@cenet	USPTO	IBM	Canada	PCT Gazette	JPO	IP Australia	UK patents
KW LASER*	3201	Esp@cenet	USPTO	IBM	Canada	PCT Gazette	JPO	IP Australia	UK patents
KW ЛАЗЕР	0	Esp@cenet	USPTO	IBM	Canada	PCT Gazette	JPO	IP Australia	UK patents

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IC C03B*	3114	Esp@cenet	USPTO	IBM	Canada	PCT Gazette	JPO	IP Australia	UK patents
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KW ЛАЗЕР	0	Esp@cenet	USPTO	IBM	Canada	PCT Gazette	JPO	IP Australia	UK patents

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KW LASER*	0	Esp@cenet	USPTO	IBM	Canada	PCT Gazette	JPO	IP Australia	UK patents
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- [WO 0021894A1](#) [EN] SHAPING TOOL WITH A STRUCTURED SURFACE FOR PRODUCING STRUCTURES ON GLASS, AND THE APPLICATION THEREOF FORSTRUCTURING CHANNEL PLATES
- [WO 0024685A1](#) [EN] SYNTHETIC QUARTZ GLASS AND METHOD FOR PRODUCTION THEREOF
- [WO 0034810A1](#) [EN] LENSED OPTICAL FIBERS & UNIQUE MICROPIPETTES WITH SUBWAVELENGTH APERTURES
- [WO 0039038A1](#) [EN] METHOD FOR PRODUCING OPTICAL QUARTZ GLASS FOR EXCIMER LASERS
- [WO 0044679A1](#) [EN] METHODS FOR MANUFACTURING AND DEPOSITING FINE PARTICLES COMBINING FLAME AND LASER BEAM
- [WO 0132349A1](#) [EN] METHOD AND DEVICE FOR RAPID CUTTING OF A WORKPIECE FROM A BRITTLE MATERIAL
- [WO 0132571A1](#) [EN] LASER DRIVEN GLASS CUT-INITIATION
- [WO 0134529A1](#) [EN] LASER GLASS CUTTING WITH SUPER COOLED GAS CHILL
- [WO 0138039A1](#) [EN] METHOD AND APPARATUS FOR SEPARATING NON-METALLIC MATERIALS
- [WO 0138242A1](#) [EN] METHOD AND DEVICE FOR CUTTING A FLAT WORKPIECE THAT CONSISTS OF A BRITTLE MATERIAL



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Document number	WO 0021894A1 20.04.2000
Title	[EN] SHAPING TOOL WITH A STRUCTURED SURFACE FOR PRODUCING STRUCTURES ON GLASS, AND THE APPLICATION THEREOF FORSTRUCTURING CHANNEL PLATES [FR] OUTIL DE FORMAGE A SURFACE STRUCTUREE POUR PRODUIRE DES STRUCTURES SUR DU VERRE, ET UTILISATION DUDIT OUTILPOUR STRUCTURER DES PANNEAUX CANNELES
Publication number	[WOA] 21894
Type of document	WOA1
Application serial number	EP9907545 08.10.1999
Priority application numbers	DE198475497 15.10.1998
IPC	[7] C03B 13/08 [7] C03B 13/14 [7] C03B 13/16 [7] C03B 23/02
Applicant	[**] SCHOTT GLAS [**] CARL-ZEISS-STIFTUNG TRADING AS SCHOTT GLAS [**] CARL-ZEISS-STIFTUNG [**] SINGER, RUDOLF [**] DISAM, JOACHIM [**] BAUM, CHRISTIANE
Inventor	[**] SINGER, RUDOLF [**] DISAM, JOACHIM [**] BAUM, CHRISTIANE
CDROM	[esp] WO200069

Abstract / Claim

Glasses with a determined, precise surface structuring are required in the area of glasses which have opticfunctions, for example, in display panels of new generation flat display screens, so-called channel plates. Whileavoiding the disadvantages of prior art screen printing technology, the invention provides a shaping tool (1)which

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Access to full text in IPDLs Access to local database

Choose database EP 525984B1 [EN] Method for manufacturing a silica glass article for use with an excimer laser

Choose database EP 547212A1 [EN] NEODYMIUM-DOPED GEHLENITE CRYSTAL AND LASER USING SAME

Choose database JP 01028240A [EN] OPTICAL QUARTZ GLASS MEMBER

Choose database RU 2114074C1 [RU] СПОСОБ И УСТРОЙСТВО ДЛЯ ИЗГОТОВЛЕНИЯ ВИТРАЖЕЙ

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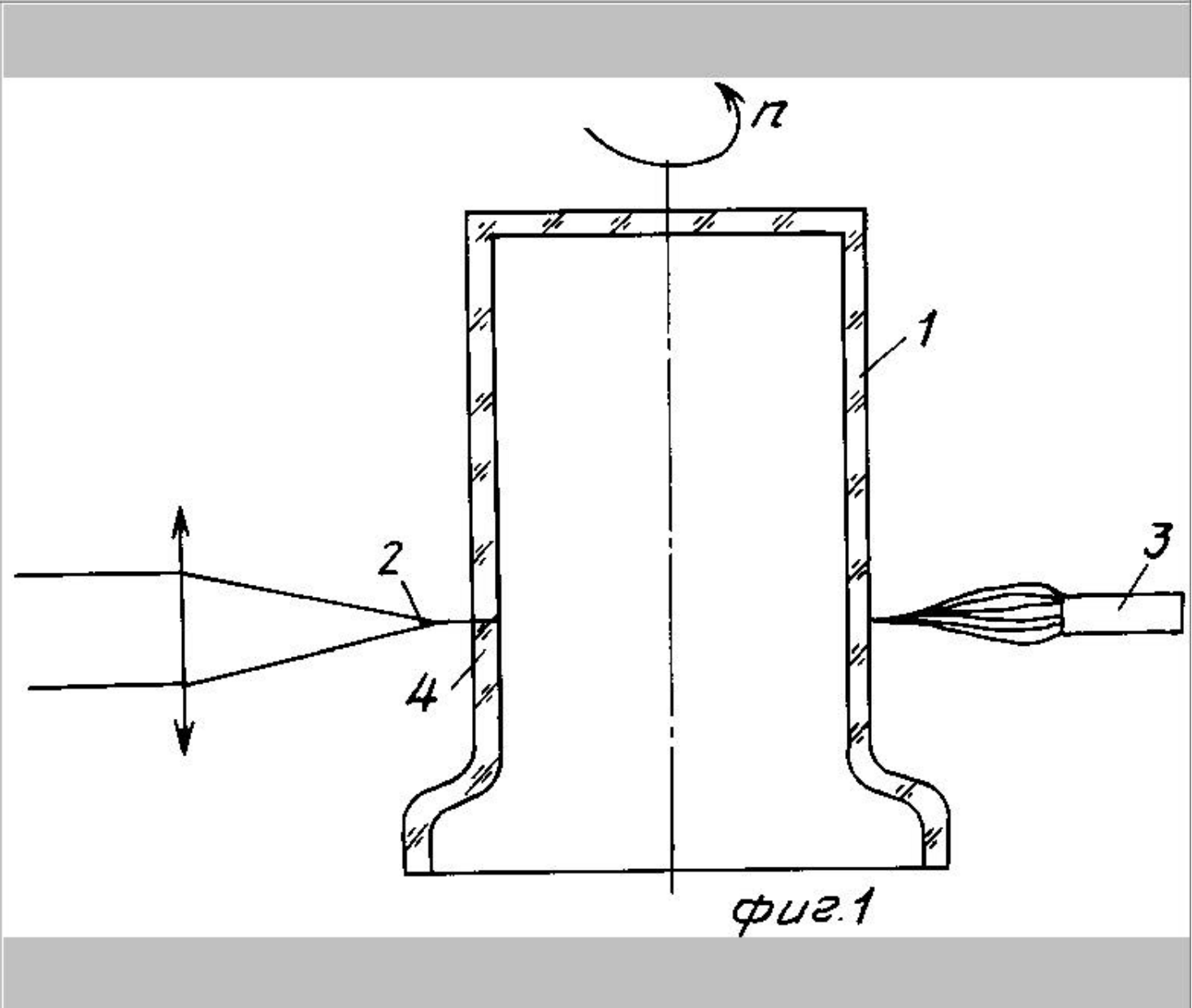
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- RU
 - RU 2015118C1 1994.06.30 [:
 - Реферат [1/1]
 - Формула [1]
 - Описание [1/1]
 - Чертеж [1/2]
 - RU 2015119C1 1994.06.30 [:
 - Реферат [1]
 - Формула [1/1]
 - Описание [1/1]
 - Чертеж [1/2]





LASER DRIVEN GLASS CUT-INITIATION

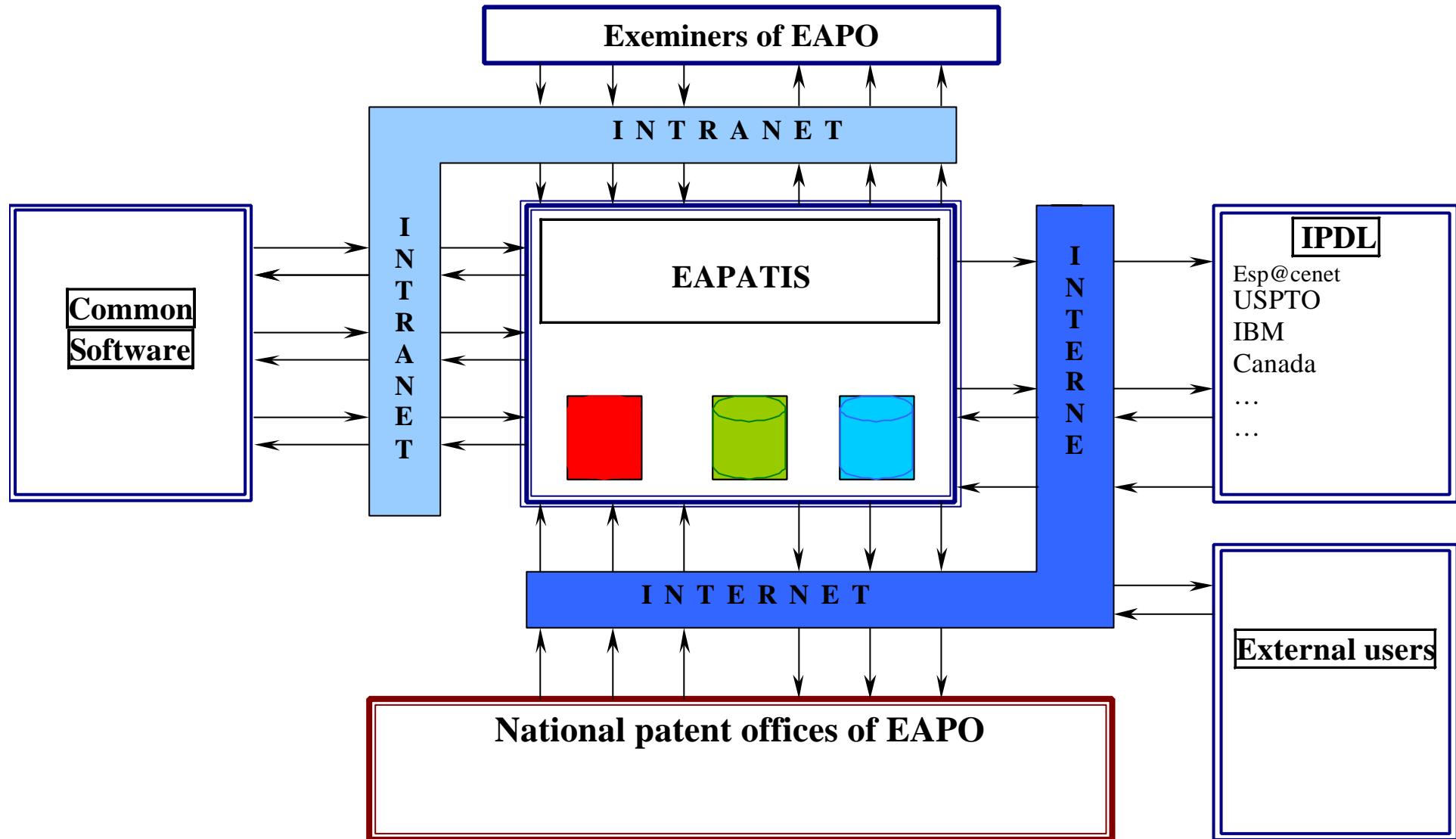
Patent Number: WO0132571
 Publication date: 2001-05-10
 Inventor(s): MICHEL THOMAS;; NIKITIN DMITRI
 Applicant(s): P T G PREC TECHNOLOGY CT LLC (US)
 Requested Patent: [WO0132571](#)
 Application Number: WO2000US29279 20001024
 Priority Number(s): US19990162826P 19991101
 IPC Classification: C03B33/09; B26F3/00; B26F3/06; B23K26/00
 EC Classification: [C03B33/09](#)
 Equivalents: AU1227501
 Cited Documents: [US3629645](#); [GB2139615](#); [WO9707927](#); [FR2202856](#); [WO9320015](#)

Abstract

A method for initiating a fracture of a brittle material along a micro-crack by thermally ablating the surface of the brittle material to form a notch in the brittle material at the desired starting point of fracture.

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Place and role of EAPATIS



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