

RUSSIAPAT (Russian Patent Abstracts)

Subject Coverage	<ul style="list-style-type: none"> All patent-relevant areas of science and technology, i.e., all classes of the International Patent Classification 																														
File Type	Bibliographic																														
Features	<table border="0"> <tr> <td>Thesaurus</td> <td></td> <td>International Patent Classification (/IPC)</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Alerts (SDIs)</td> <td></td> <td>Every Update</td> <td></td> <td></td> <td></td> </tr> <tr> <td>CAS Registry Number[®] Identifiers</td> <td><input type="checkbox"/></td> <td>Page Images</td> <td><input type="checkbox"/></td> <td>STN[®] AnaVist™</td> <td><input type="checkbox"/></td> </tr> <tr> <td>Keep & Share</td> <td><input checked="" type="checkbox"/></td> <td>SLART</td> <td><input checked="" type="checkbox"/></td> <td>STN Easy[®]</td> <td><input checked="" type="checkbox"/></td> </tr> <tr> <td>Learning Database</td> <td><input type="checkbox"/></td> <td>Structures</td> <td><input type="checkbox"/></td> <td></td> <td></td> </tr> </table>	Thesaurus		International Patent Classification (/IPC)				Alerts (SDIs)		Every Update				CAS Registry Number [®] Identifiers	<input type="checkbox"/>	Page Images	<input type="checkbox"/>	STN [®] AnaVist™	<input type="checkbox"/>	Keep & Share	<input checked="" type="checkbox"/>	SLART	<input checked="" type="checkbox"/>	STN Easy[®]	<input checked="" type="checkbox"/>	Learning Database	<input type="checkbox"/>	Structures	<input type="checkbox"/>		
Thesaurus		International Patent Classification (/IPC)																													
Alerts (SDIs)		Every Update																													
CAS Registry Number [®] Identifiers	<input type="checkbox"/>	Page Images	<input type="checkbox"/>	STN [®] AnaVist™	<input type="checkbox"/>																										
Keep & Share	<input checked="" type="checkbox"/>	SLART	<input checked="" type="checkbox"/>	STN Easy[®]	<input checked="" type="checkbox"/>																										
Learning Database	<input type="checkbox"/>	Structures	<input type="checkbox"/>																												
Record Content	<ul style="list-style-type: none"> Records contain inventor and assignee data, patent and application information, titles since 1977, abstract and legal status data, as well as all drawings available from the full-text document since 1994. Titles and abstracts are in English, names are transliterated. 																														
File Size	<ul style="list-style-type: none"> More than 2.0 million records (03/2018) More than 925.607 images (03/2018) 																														
Coverage	1924-present																														
Updates	Three times a month																														
Language	English																														
Database Producer	Russian Agency for Patents and Trademarks (ROSPATENT) Federal Institute of Industrial Property Berezhkovskaya nab. 30/1 Moscow, G-59, GSP-5 Russia 123995 Phone: (7 095) 240 6015, 240 6138 Fax: (7 095) 243 3337 Email: fips@ruptu.ru Copyright Holder																														
Database Supplier	FIZ Karlsruhe STN Europe P.O. Box 2465 76012 Karlsruhe Germany Phone: +49 7247 808-555 Fax: +49 7247 808-259 Email: helpdesk@fiz-karlsruhe.de																														

Sources • Patent documents published by the Russian Agency for Patents and Trademarks.

User Aids • Online Helps (HELP DIRECTORY lists all help messages available)
• STNGUIDE

Clusters • ALLBIB
• AUTHORS
• CORPSOURCE
• HPATENTS
• PATENTS
[STN Database Clusters](#) information (PDF)

Pricing Enter HELP COST at an arrow prompt.

Search and Display Field Codes

Fields that allow left truncation are indicated by an asterisk (*).

General Search Fields

Search Field Name	Search Code	Search Examples	Display Codes
Basic Index* (contains single words from the abstract (AB), field of invention (FLD), and title (TI) fields)	None or /BI	S ?ELECTRIC? S STENCIL PROCESS	AB, FLD, TI
Abstract (contains FLD)	/AB	S COMPOUNDS/AB	AB
Accession Number	/AN	S 2003:024722/AN	AN
Agent	/AG	S ALEKSEEVNA/AG	AG
Application Country (WIPO code and text)	/AC	S WO/AC S RUSSIAN FEDERATION/AC	AI
Application Date (1)	/AD	S AD=MAY 2002	AI
Application Number (2)	/AP (or /APPS)	S RU1975-2132207/AP	AI
Application Number, Original	/APO	S RU2000100119/28/APO	
Application Year (1)	/AY	S 1993-1994/AY	AI
Corporate Address (3)	/CA	S SANKT PETERBURG/CA	CA
Document Type (code and text)	/DT (or /TC)	S P/DT	DT
Entry Date (1)	/ED (or /UP)	S ED>=MAY 2005	ED
Field of Invention	/FLD	S SIGNALING(W)SYSTEMS/FLD	FLD
Graphic Image Size (1)	/GIS (or /GIS.FP)	S 393/GIS	GIS
Graphic Image Size, Drawing Pages (1)	/GIS.DRW	S GIS.DRW<400	GIS.DRW
Graphic Image Size, Embedded (1)	/GIS.EM	S 200-300/GIS.EM	GIS.EM
International Patent Classification (contains ICA, ICI, ICM, ICS, IPCI, IPCR) (5)	/IPC	S A01B0001-02/IPC	ICA, ICI, ICM, ICS, IPCI, IPCR
Inventor	/IN (or /AU)	S PUTJATINSKIJ/IN	IN
Inventor, Address	/INA	S UZ/INA	IN
IPC Main Group (1,6)	/MGR	S 10-20/MGR (S) C07C/IC	not displayed
IPC Subgroup Subgroup Range Searchable, Version (1,6)	/SGR	S C01B/ICM(S)100-2000/SGR	not displayed
IPC, Additional	/ICA	S A01D034-00/ICA	ICA
IPC, Index	/ICI	S A01D101:00/ICI S A01D0101:00/ICI	ICI
IPC, (Main and Secondary)	/IC	S A01N001/IC	IC, ICM, ICS
IPC, Action Date (1)	/IPC.ACD	S 20050913/IPC.ACD	IPC.TAB
IPC, Keyword Terms	/IPC.KW	S INITIAL/IPC.KW	IPC.TAB
IPC, Main	/ICM	S A01N001/ICM	ICM, IC
IPC, Secondary	/ICS	S A01G023/ICS	ICS, IC
IPC, Version from IPC	/IPC.VER	S 200801/IPC.VER	IPC.TAB
Language (ISO code and text)	/LA	S RUSSIAN/LA	LA
Legal Status, Date of Begin of National Phase (1)	/LSRU.DNP	S MAR 1991/LSRU.DNP	LSRU
Legal Status, Date of First Publication (1)	/LSRU.DFP	S 19950927/LSRU.DFP	LSRU

RUSSIAPAT

General Search Fields (cont'd)

Search Field Name	Search Code	Search Examples	Display Codes
Legal Status, Effective Date of Priority Rights (1)	/LSRU.DPR	S LSRU.DPR=4 DEC 1985	LSRU
Number of Claims (1,4)	/CLMN	S 9/CLMN	not displayed
Number of Drawings (1)	/DRWN	S DRWN>3	not displayed
Number of Examples (1,3)	/EXPN	S EXPN=7	not displayed
Number of Graphic Images, Drawing Pages (1)	/GIN.DRW	S 2/GIN.DRW	GIN.DRW
Number of Graphic Images, Embedded (1)	/GIN.EM	S 3/GIN.EM	GIN.EM
Number of Graphic Images, First page (1)	/GIN (or /GIN.FP)	S GIN=2	GIN
Number of Tables (1)	/TBLN	S TBLN=8	not displayed
Patent Assignee (3)	/PA (or /CS)	S ALJUMINIUM AG/PA	PA
Patent Assignee, Address (ISO code)	/PAA	S DE/PAA	
Patent Assignee, Applicant (3)	/PA.AP	S JURIJ NARENKOV/PA.AP	PA
Patent Assignee, Proprietor (3)	/PA.AS	S ANDREEVICH/PA.AS	PA
Patent Country (WIPO code and text)	/PC	S RU/PC	PI
Patent Information Publication Type	/PIT	S SUA3 PATENT/PIT	PI
Patent Kind Code	/PK	S RUA1/PK	PI
Patent Number (2)	/PN (or /PATS)	S RU1010778/PN S RU-----1010778/PN	PI
Priority Number, Original	/PRNO	S AT90115773.5/PRNO	PRNO
Publication Date (1)	/PD	S PD>=2003	PI
Publication Year (1)	/PY	S PY=2003	PI
Title	/TI	S OIL PRODUCT/TI	TI
Title Language (ISO code and text)	/TL	S ENGLISH/TL	TL

(1) Numeric search field that may be searched using numeric operators or ranges.

(2) Either STN or Derwent format may be used.

(3) Search with implied (S) proximity is available in this field.

(4) Content of this field is displayed at the end of the abstract.

(5) A thesaurus is available in this field.

(6) Only valid for IPC version 1-7.

International Patent Classification (/IPC) Thesaurus

The classifications, validity and catchwords for the main headings and subheadings from the current (8th) edition of the WIPO International Patent Classification (IPC) manual are available. The classifications from the previous editions (1-7) are also available as separate thesauri. To EXPAND and SEARCH in the thesauri for editions 1-7, use the field code followed by the edition number, e.g., /IPC2, for the 2nd edition. Catchwords are included only in the thesauri for the 8th, 7th, 6th, and 5th editions.

Code	Content	Examples
ADVANCED (ADV)	Advanced Codes for the Core Level IPC Code	E A61K0006-02+ADVANCED/IPC
ALL	All Associated Terms (BT, SELF, NT, RT)	E C01C003-00+ALL/IPC
BRO (MAN)	Complete Class	E C01C+BRO/IPC
BT	Broader Term (BT, SELF)	E C01F001-00+BT/IPC
CORE (COR)	Core Codes for the Advanced Level IPC Code	E G08C0019-22+CORE/IPC
ED	Complete title of the SELF term and IPC manual edition	E C01F001-00+ED/IPC
HIE	Hierarchy Term (Broader and Narrower Term) (BT, SELF, NT)	E C011003-00+HIE/IPC

International Patent Classification (/IPC) Thesaurus (cont'd)

Code	Content	Examples
NEXT	Next Classification	E C01C001-00+NEXT5/IPC
INDEX	Complete title of the SELF term	E C01F001-00+INDEX/IPC
KT	Keyword Term (catchwords) (SELF, KT)	E CYANOGEN+KT/IPC
NT	Narrower Terms (SELF, NT)	E C01C+NT/IPC
PREV	Previous Classification	E C01C001-12+PREV10/IPC
RT (SIB)	Related Terms (SELF, RT)	E C01C003-20+RT/IPC
TI	Complete Title of the SELF Term and Broader Terms (BT, SELF)	E C01F001-00+TI/IPC

DISPLAY and PRINT Formats

Any combination of formats may be used to display or print answers. Multiple codes must be separated by spaces or commas, e.g., D L1 1-5 TI AU. The fields are displayed or printed in the order requested.

Hit-term highlighting is available for all fields. Highlighting must be ON during SEARCH to use the HIT, KWIC, and OCC formats.

Format	Content	Examples
AB	Abstract	D TI AB 1-5
AG	Agent	D AG
AI (AP) (1)	Application Information	D AI
AN	Accession Number	D L3 AN
APO	Application Number, Original	D APO
CA	Corporate Address	D CA
DT (TC)	Document Type	D DT
ED (UP)	Entry Date	D ED
FA	Field Availability	D FA
FLD (2)	Field of Invention	D FLD
GI (GI.FP)	Graphic Image, first page	D GI
GI.DRW (2)	Drawing Pages	D GI.DRW
GI.EM (2)	Embedded Images	D GI.EM
GIN (GIN.FP) (2)	Number of Graphic Images	D GIN
GIN.EM	Number of Graphic Images, Embedded	
GINF	Graphic Information	D GINF
GIS (GIS.FP) (2)	Graphic Image Size, first page	D GIS
GIS.DRW (2)	Graphic Image Size, Drawing Pages	D GIS.DRW
GIS.EM (2)	Graphic Image Size, Embedded Images	D GIS.EM
GIT (GIT.FP) (2)	Graphic Image Type	D GIT
GIT.DRW	Graphic Image Type, Drawing Pages	D GIT.DRW
GIT.EM	Graphic Image Type, Embedded	D GIT.EM
IC	International Patent Classification (contains ICM, ICS)	D IC
ICA	IPC, Additional	D ICA
ICI	IPC, Index	D ICI
ICM	IPC, Main	D ICM
ICS	IPC, Secondary	D ICD
IN (AU)	Inventor	D IN
IPC	International Patent Classification (contains ICA, ICI, ICM, ICS, IPCI, IPCR)	D IPC
IPCI	IPC, Initial	D IPCI
IPCR	IPC, Reclassified	D IPCR
LA	Language	D LA
LSRU	Legal Status	D LSRU
LSRU.DFP (2)	Legal Status, Date of First Publication	D LSRU.DFP
LSRU.DNP (2)	Legal Status, Date of Begin of National Phase	D LSRU.DNP
LSRU.DPR (2)	Legal Status, Effective Date of Priority Rights	D LSRU.DPR
PA (CS)	Patent Assignee	D PA
PI (PN, PATS) (1)	Patent Information	D PI
PIT	Patent Information Publication Type	D PIT
PK	Patent Kind Code	D PK

DISPLAY and PRINT Formats (cont'd)

Format	Content	Examples
PNO (2) PRNO (PRAO) (2) TI (TL)	Patent Number Original Priority Number Original Title + Title Language	D PNO D PRNO D TI
ALL (MAX) (1) ALLG (MAX.G) (1) DALL (1) IALL (1) IALLG (1) BIB (1) IBIB (1) IPC.TAB SAMPLE (SAM, TRIAL, TRI, FREE) SCAN (3) STD ISTD	AN, ED, TI, IN, PA, AG, CA, DT, LA, PIT, PI, AI, IPC, LSRU, AB, FA AN, ED, TI, IN, PA, AG, CA, DT, LA, PIT, PI, AI, IPC, LSRU, GIS, GIN, GIT, GI, AB ALL, delimited for post processing ALL, indented with text labels ALLG, indented with text labels AN, ED, TI, IN, PA, AG, CA, DT, LA, PIT, PI, AI BIB, indented with text labels IPC, IPC.KW, IPC.ACD, IPC.VER in Tabular Format AN, TI, IPC TI (random answer display, no answer number) AN, ED, TI, IN, PA, AG, CA, DT, LA, PIT, PI, AI, IPC (STD is the default) STD, indented with text labels	D ALL D ALLG D DALL D IALL D IALLG D BIB D IBIB D IPC.TAB D SCAN D STD D ISTD
HIT KWIC OCC	Hit term(s) and field(s) Up to 50 words before and after hit term(s) (KeyWord-In-Context) Number of occurrences of hit term(s) and field(s) in which they occur	D HIT D KWIC D OCC

(1) By default, patent numbers, application and priority numbers are displayed in STN Format. To display them in Derwent format, enter SET PATENT DERWENT at an arrow prompt. To reset display to STN Format, enter SET PATENT STN.

(2) Custom display only.

(3) SCAN must be specified on the command line, i.e., D SCAN or DISPLAY SCAN..

SELECT, ANALYZE, and SORT Fields

The SELECT command is used to create E-numbers containing terms taken from the specified field in an answer set.

The ANALYZE command is used to create an L-number containing terms taken from the specified field in an answer set.

The SORT command is used to rearrange the search results in either alphabetic or numeric order of the specified field(s).

Field Name	Field Code	ANALYZE/ SELECT (1)	SORT
Abstract	AB	Y	Y
Accession Number	AN	Y	Y
Agent	AG	Y	Y
Application Country	AC	Y	N
Application Date	AD	Y	Y
Application Number	AP (AI)	Y	Y
Application Number, Original	APO	Y	Y
Application Year	AY	Y	N
Document Type	DT (TC)	Y	Y
Entry Date	ED (UP)	Y	Y
Field Availability	FA	Y	N
Field of Invention	FLD	Y	Y
Graphic Image Size	GIS.FP (GIS)	Y	N
Graphic Image Size, Drawing Pages	GIS.DRW	Y	N
Graphic Image Size, Embedded	GIS.EM	Y	N

SELECT, ANALYZE, and SORT Fields (cont'd)

Field Name	Field Code	ANALYZE/ SELECT (1)	SORT
Graphic Image Type, Drawing Pages	GIT.DRW	Y	Y
Graphic Image Type, Embedded	GIT.EM	Y	Y
Graphic Image Type, First Page	GIT.FP	Y	Y
International Patent Classification	IC	Y	Y
Inventor	IN (AU)	Y	Y
Inventor Address	INA	Y	Y
IPC (ICM, ICS, ICA, ICI, IPCI, IPCR)	IPC	Y	Y
IPC, Additional	ICA	Y	Y
IPC, Advanced Level Symbols	IPC.A	Y (2)	N
IPC, Advanced Level Symbols for Invention	IPC.AI	Y (2)	N
IPC, Core Level Symbols	IPC.C	Y (2)	N
IPC, Core Level Symbols for Invention	IPC.CI	Y (2)	N
IPC, Index	ICI	Y	Y
IPC, Main	ICM	Y	Y
IPC, Secondary	ICS	Y	Y
Language	LA	Y	Y
Legal Status, Date of Begin of National Phase	LSRU.DNP	Y	Y
Legal Status, Date of First Publication	LSRU.DFP	Y	Y
Legal Status, Effective Date of Priority Rights	LSRU.DPR	Y	Y
Number of Graphic Images	GIN.FP (GIN)	Y	N
Number of Graphic Images, Drawing Pages	GIN.DRW	Y	N
Number of Graphic Images, Embedded	GIN.EM	Y	N
Occurrence Count of Hit Terms	OCC	N	Y
Patent Assignee	PA (CS)	Y	Y
Patent Country	PC	Y	Y
Patent Information Publication Type	PIT	Y	Y
Patent Kind Code	PK	Y	Y
Patent Number	PN (PI)	Y	Y
Pre-IPC8 Symbols from the ICM and first IPC8 values from 2006-present	IPC.F	Y (2)	N
Priority Number Original	PRNO (PRAO)	Y	Y
Publication Date	PD	Y	Y
Publication Year	PY	Y	Y
Publication Year	TI	Y (default)	Y

(1) HIT may be used to restrict terms extracted to terms that match the search expression used to create the answer set, e.g., SEL HIT TI.

(2) Appends /IPC to the terms created by SELECT.

Sample Records**DISPLAY ALLG**

```

AN      2009:004506  RUSSIAPAT  ED 20090220
TI      METHOD FOR EMPHASIS OF OPTICAL SIGNALS IN TRANSMISSION SYSTEM WITH
        MODULES OF OUTBRANCHING - INBRANCHING
IN      PAJSL Wolfgang (DE); RAPP Lutts (DE)
PA
PA.AS   SIMENS AKTsiENGEZELLShAFT (DE)
CA      129090, Moskva, ul. B.Spaskaja, 25, str.3, OOO 'Juridicheskaja firma
        Gorodisskij i Partnery', pat.pov. Ju.D.Kuznetsovu, reg.I 595
DT      Patent
LA      Russian
PIT     RUC2 PATENT (SECOND PUBLICATION)
PI      RU-----2347317      C2      20090220
        WO--2004114567      20041229
AI      2006RU-0101977      A      20040503
        2004WO-EP50680      20040503
IPC

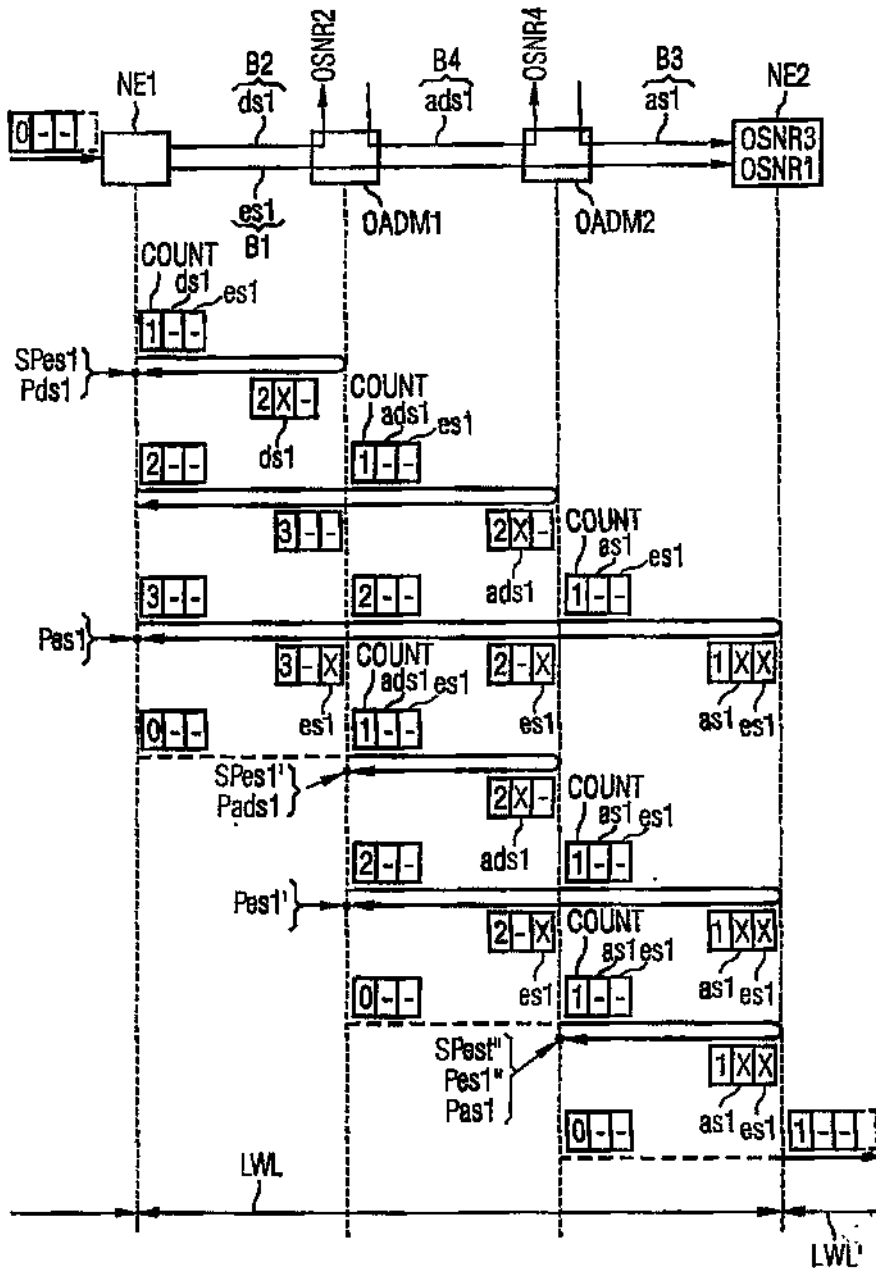
```

8

RUSSIAPAT

IPCI	H04J0014-02 [I,A]; H04J0014-02 [I,C*]		
LSRU	DPR Effective Date of Priority Right		20040503
	DFP Date of First Publication		20060710
	DNP Date of Begin of national Phase		20060125
GIS	17803		
GIN	1		
GIT	TIF		
GIT	TIF		
GIT	TIF		
GIT	TIF		
GIT	TIF		
GIN.EM	0		
GIS.DRW	4176; 3429; 17543		
GIN.DRW	3		
GINF	TYPE	FORMAT	COUNT

	FP-Image	GI.FP	1
	Draw. Pages	GI.DRW	3
	Embedded	GI.EM	0
GIS	17803		
GIS.DRW	4176; 3429; 17543		



ФИГ.3

AB

FIELD: physics, communication. SUBSTANCE: invention is related to optical communication equipment and may be used for emphasis of transmitted signals in channels of multiplexed signals on transmission route with points of inlet and/or outbranching, which considers relative reduction of signal/noise ratios between transmitted signals of different categories or groups of channels, i.e. express-channels and channels of outbranching or inbranching, or outbranching/inbranching. For this purpose average signal capacities of different channel groups are established relative to each other in order to achieve specified ratios of signal-noise in appropriate groups. Moreover, ratios of signal-noise are balanced inside group of channels in points of their completion. Control protocols are described for control of emphasis steps. Method is also applicable

RUSSIAPAT

for point-to-point connections, and also for transparent optical networks.

EFFECT: higher noise immunity at lower ratios of signal/noise. 29 cl,
4 dwg

FA TI; IN; PI; AI; AB; GI

DISPLAY STD

AN 2006:002597 RUSSIAPAT ED 20060216
 TI ARRANGEMENT FOR DELAYING OF IMPULSES
 IN Gorshkov Sergej Nikolaevich (RU)
 PA
 PA.AS Otkrytoe aktsionernoe obshchestvo Moskovskij nauchno-issledovatel'skij institut 'AGAT' (RU)
 CA 140182, Moskovskaja obl., g. Zhukovskij, ul. Tupoleva, 2a, OAO Moskovskij nauchno-issledovatel'skij institut 'AGAT'
 DT Patent
 LA Russian
 PIT RUC2 PATENT (SECOND PUBLICATION)
 PI RU 2269866 C2 20060210
 AI RU 2004-109453 A 20040329
 IPC
 IPCR H03H0009-30 [I,A]; H03K0005-14 [I,A]; H03H0009-00 [I,C*]; H03K0005-14 [I,C*]

In North America

CAS
 STN North America
 P.O. Box 3012
 Columbus, Ohio 43210-0012 U.S.A.

CAS Customer Center:
 Phone: 800-753-4227 (North America)
 614-447-3700 (worldwide)
 Fax: 614-447-3751
 Email: help@cas.org
 Internet: www.cas.org

In Europe

FIZ Karlsruhe
 STN Europe
 P.O. Box 2465
 76012 Karlsruhe
 Germany
 Phone: +49-7247-808-555
 Fax: +49-7247-808-259
 Email: helpdesk@fiz-karlsruhe.de
 Internet: www.stn-international.com

In Japan

JAICI (Japan Association for International Chemical Information)
 STN Japan
 Nakai Building
 6-25-4 Honkomagome, Bunkyo-ku
 Tokyo 113-0021, Japan
 Phone: +81-3-5978-3601 (Technical Service)
 +81-3-5978-3621 (Customer Service)
 Fax: +81-3-5978-3600
 Email: support@jaici.or.jp (Technical Service)
 customer@jaici.or.jp (Customer Service)
 Internet: www.jaici.or.jp