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### Использование БД Европейского патентного ведомства «Espacenet» для проведения патентного поиска



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Отдел развития информационных ресурсов, классификационных систем и стандартов в области интеллектуальной собственности





- о БД Espacenet общие сведения
- о Доступ
- о Виды и возможности поиска
- о Результаты поиска
- о Просмотр документов

### Ратент Office Office européen БД Espacenet - общие сведения

Europäisches Patentamt

### Общедоступная патентная база данных Европейского патентного ведомства (<u>http://www.epo.org</u>) Создана в 1998г

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특허			Антивирус Касперского (6.0,4.1611)
			Лата выпуска баз: 04.03.2015 9:47:00



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## Стартовая страница **Espacenet**

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are CET: Thu 9th of Nov from 17:00 to 19:00	M was in the office early that mornin	g and, unusually, wa	s at his de	Slovakia	2	Slovenia	
instead	M was worried. The previous evenin	g, he had had some	disturbing	Spain	R	Sweden	
Mon-Sat from 05:00-05:15,	dangerous mission. Pond refused t	o give all the details a	and M wan	Switzerland		Turkey	
Sun: 05:00 to 06:00 → read more	M's finger jabbed at the intercom bu	tton as soon as he h	eard Geldpro	ennig enter her onice, through v	which ai	i visitors nat	to pass in they
News flashes +	wanted to speak to him.						
Latest undates	"Geldpfennig!" he barked into the mi	ike. "As soon as Pon	d gets in I wa	ant him and Q in my office."			
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"There must be something wrong, I hope Jason's not in trouble again," she thought.



Quick coarch	
	Smart search: Li
Advanced search	
Number search	
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	Espacenet presents:
laintenance news +	The headquarters of PI5 were located in a nondescript building down an unobtrusive side alley leading o
lews flashes +	intelligence activities going on in the dingy edifice behind.
atest updates +	M was in the office early that morning and, unusually, was at his desk before his secretary, the efficient G $\!$
elated links –	M was worried. The previous evening, he had had some disturbing news over <u>the encrypted phone</u> from dangerous mission. Pond refused to give all the details and M wanted to get to the bottom of it.
<ul> <li>Release notes and known issues.</li> <li>Worldwide patent data coverage</li> </ul>	M's finger jabbed at the <u>intercom</u> button as soon as he heard Geldpfennig enter her office, through which wanted to speak to him.
information (updated bi-anually)	"Geldpfennig!" he barked into the mike. "As soon as Pond gets in I want him and Q in my office."
Some basic things you should know about Espacenet	"Yes, M," replied Geldpfennig, taken aback at his abruptness.
Some basic things you should know about searching.	"There must be something wrong, I hope Jason's not in trouble again," she thought.
Get assistance Terms and conditions of use for Espacenet	Jason Pond was one of PI5's best secret patent agents (Geldpfennig thought he was THE best. She worn mission, and was always relieved to see him back safely). Pond was a member of the elite corps, cross- approximately 18535 entitled to the <u>D07 classification</u> .
online patent information products	That morning Pond was returning from a very dangerous mission, in which he had saved the world (agai the planet.
The Patent Information Tour Recommended standard on two-letter codes	Pond had had the usual violent encounters with brutal thugs, and evil plots masterminded by twisted cat- the mission, and was simultaneously exhilarated, exhausted and relieved.
◆ <u>Espacenetユーザーの皆様、</u> ◆Espacenet中文田户晃面	And very, very angry.
Espacenet 한국어 사용자 인터페 이스	"But maybe it wasn't all bad," mused Pond as he steered the specially equipped <u>Aston Martin DBS</u> off the PI5's dismal subterranean garage.

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## Наполнение Espacenet

# Более 80 млн документов из более чем 90 стран и международных организаций Основа – минимум РСТ

#### Due to the translation process from Japanese into English, these abstracts are not available until six months after publication.

Country	Facsimiles from	Abstracts from	European Classification
СН	1888, from CH1 onwards	1970	1888
DE	1877, from DE1 onwards	1970	1877, from DE1 onwards
EP	1978, from EP1 onwards	1978	1978
FR	1900	1970	1902
GB	1859	1893	1859
US	1836, from US1 onwards	1970	1836, from US1 onwards
WO	1978	1978	1978

The following table gives an overview of the availability of the PCT minimum documentation in the worldwide database:

Global patent data coverage Click <u>here</u> for details.



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### Наполнение Espacenet (продолжение)

- Документы, не входящие в «минимум РСТ», часто не имеют ни реферата, ни даже полной библиографии (см. Help).
- В Espacenet включена и непатентная литература (НПЛ или NPL). Ссылкам на НПЛ присвоены номера с двубуквенным кодом ХР, например: ХР1 или ХР000123456
- о Поиск документов XP по автору и словам невозможен
- <u>Нельзя</u> ограничить поиск только НПЛ (т.е. по коду ХР)



## Виды поиска и Поисковые массивы

### Виды поиска

- о Smart search («Умный поиск», совпадает со стартовой страницей)
- o Advanced search («Расширенный поиск»)
- Classification search (просмотр или поиск в классификационной системе ЕПВ «СРС»).

### Поисковые массивы:

- Worldwide вся вышеупомянутая коллекция патентных документов разных стран мира (в очень разных объемах представления информации).
- **ЕР** полная коллекция (с 1978г) всех опубликованных документов ЕПВ <u>с возможностью поиска по полному тексту</u>.
- WIPO полная коллекция (с 1978г) всех опубликованных заявок РСТ <u>с возможностью поиска по полному тексту</u>.



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## **Advanced search** (Расширенный поиск)

Select the collection you want to search in 🔝

Worldwide - collection of published applications from 90+ countries

#### Advanced search Enter your search terms - CTRL-ENTER expands the field you are in

#### Smart search

Advanced search

Classification search

#### Quick help

- How many search terms can I enter per field?
- → How do I enter words from the title or abstract?
- → How do I enter words from the description or claims?
- → Can Luse truncation/wildcards?
- → How do I enter publication, application, priority and NPL reference numbers?
- → How do I enter the names of persons and organisations?
- → What is the difference between the IPC and the CPC?
- → What formats can I use for the publication date?
- → How do Lenter a date range for a publication date search?
- → Can I save my query?

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W01995US15925

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Applicant(s): [i]

Inventor(s): i

Enter one or more classification symbols

CPC 1

IPC i

+1

Smith

H03M1/12



## Advanced search (Расширенный поиск)

10 поисковых полей:

- о ключевые слова из названия («Keyword(s) in title»);
- ключевые слова из названия и/или реферата («Keyword(s) in title or abstract»);
- о номер публикации («Publication number»);
- о регистрационный номер заявки («Application number»);
- о номер приоритетной заявки («Priority number»);
- о дата публикации («Publication date»);
- o заявитель («Applicant(s)»);
- о изобретатель («Inventor(s)»);
- Объединенная патентная классификация («CPC Cooperation Patent Classification» с 1 января 2013 года);
- Международная патентная классификация («International Patent Classification (IPC)»).

При поиске в массивах <u>EP</u> или <u>WIPO</u> (полные коллекции Европейских документов и заявок PCT) в поисковую маску добавляется <u>ещё одно поле</u> – «Keyword(s) in full text» (Ключевые слова в полном тексте), <u>но исключается</u> поле «Cooperation Patent Classification (CPC)».



### Логические операторы

- Три логических (булевых) оператора AND (И), OR (ИЛИ) и NOT (HE) [кроме Smart search, где добавлены операторы близости и сравнения]
- Оператором по умолчанию <u>в текстовых полях</u> является оператор AND
- Все <u>номера</u> (подачи заявки, приоритета и публикации) и <u>даты</u> <u>публикации</u> – по умолчанию объединяются оператором **OR** (ИЛИ)
- При поиске в поле «Дата публикации» не вводятся никакие операторы, хотя логика соединения дат соответствует логике OR (ИЛИ)



### Поисковые возможности и

### ограничения Espacenet

- **О** В одно поисковое поле может быть введено не более 10 терминов
- В расширенном виде поиска (Advanced search) на <u>все 10 поисковых</u> <u>полей</u> для составления запроса может быть использовано не более 20 поисковых терминов с 19 логическими операторами.
- о Ключевые слова, вводимые для поиска в поле <u>реферат</u>, должны быть <u>только</u> на английском языке
- о Нельзя использовать термины, определенные, как «стоп слова» (FOR, WITH, THE, BUT, AND, OF, ANY и т.п.)
- Регистр букв (строчные или заглавные) может быть любым, при этом будут найдены эти слова, записанные как строчными, так и заглавными буквами
- При заключении группы слов в кавычки производится поиск «как задано», т.е. заданных слов рядом в заданном порядке (в виде «фразы»);



## Усечения и подстановки

# • Только в текстовых полях в конце слов

# О Подстановки «?» и «#» (не менее 2-х букв в начале слова) Усечение \*

(не менее 3-х букв в начале слова)



### Усечения и подстановки

### 1 или 0 символов ozon? ozon ozone

#

1 символ ozon# ozone

\*

любое количество символов ozon\* ozone ozonation ozonide ozonize ozonized ozonometer



# Форматы записи номеров и дат

- Формат записи регистрационных номеров заявок (в том числе приоритетных) - ССГГГГппппппп, где СС - двубуквенный код страны, ГГГГ - год, nnnnnn – шестизначный или семизначный регистрационный номер заявки (если знаков в номере заявки меньше семи, то лучше дополнять его предшествующими нулями до 7). Номер записывается без пробелов. Например, GB19950008026.
- Формат ввода номера публикации: CCnnnnnnn, где CC двубуквенный код страны, nnnnnnn - номер, состоящий из различного (от 1 до 10) количества знаков. Не следует делать пробел между двубуквенным кодом и цифрами.

Пример: FR4231348, CH218103.

о Формат ввода <u>дат:</u> ГГГГ или ГГГГММ или ГГГГММDD. Допускается ДД/ММ/ГГГГ.



## Задание диапазона дат

- Поиск документов внутри задаваемого диапазона дат осуществляется указанием начальной и конечной дат интервала. Задать интервал дат можно несколькими способами:
- даты, разделенные пробелом, например "2000
   2001", как в кавычках, так и без них;
- даты, разделенные двоеточием, например:
   <u>2000:2001 (только в Advanced search</u>);
- даты, разделенные запятой, например 2000,2001;
   Во всех этих случаях система будет искать публикации, осуществленные между 01.01.2000 и 31.12.2001, включая эти даты.



# Формат записи рубрик классификаций

### о H04N7/173 - без пробелов

- «Авто-усечение» (нельзя ставить\*) на любом уровне МПК: *Н*, *B62, B62J, A47D15, B60N2/28, A47D15/00 AND B60N2/28*
- <u>Но</u> в **СРС** при поиске по более дробным рубрикам, чем подгруппа МПК, для усечения ставится знак усечения: А47D15/00\*



## Формат имен и названий

- о Стандартный формат: сначала фамилия (Surname или Last name), а затем имя (First name).
- о Если неясно, изобретателю или заявителю принадлежит это имя, используйте для поиска **Smart search**.
- Очень трудно искать по фирмам, т.к. их названия не стандартизированы. Пробуйте все возможные варианты написания названий, их частей, транслитерации, аббревиатур и т.п.



## Smart search (Умный поиск)

- о Ввод запроса осуществляется в одно поисковое окошко
- о Запросы могут вводиться как с кодами (идентификаторами) полей, так и без них.
- о Основные типы полей:

pd (дата публикации), cl (классификация), num (номер), ia (изобретатель и заявитель), txt (код по умолчанию)

- о Поисковые поля можно соединять оператором OR (но по умолчанию, т.е. без его ввода, используется AND)
- о Каждый тип поля (кроме даты публикации) подразделяется ещё на несколько более конкретных полей.



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## Поля в Smart search

Код поля	Описание	Примеры	K
in¤	изобретатель¤	in=smith©	K
paÖ	заявительО	pa=Siemens©	K
ti¤	названиеО	ti="mouse-trap"©	K
ab¤	рефератО	ab="mouse-trap "O	K
prO	номер∙приоритетной•заявки©	pr=ep20050104792¤	K
pnÖ	номер∙публикации©	pn=ep10000000	K
apÖ	номер-заявки©	ap=jp19890234567¤	K
pd¤	дата•публикации¤	pd=20080107или- pd="07/01/2008"или- pd=07/01/2008-¤	K
cti	цитата/•цитируемый•документ©	ct=ep1000000¤	K
ec¤	европейская классификация¤	ec="A61K31/13"¤	K
ia¤	изобретатель∙и•заявитель•©	ia=Appleили-¶ ia="Ries•klaus"©	K
taÖ	название∙и•реферат⊖	ta="laser•printer"¤	K
txt©	название,∙реферат,∙изобретатель∙и∙ заявитель©	txt="microscope·lens"¤	K
num¤	номер•публикации,•заявки•или• приоритетной•заявки©	num=ep1000000¤	K
ipc¤	международная·классификация·(все· версии·МПК,·текущая·и·предыдущие)©	ipc=A63B49/08¤	K
clØ	классификация (ірс∙и ес)¤	cl=C10J3¤	K



# Дополнительные операторы в Smart search

Операторы близости (proximity – близость)

о T1 prox/distance<n T2 <u>Пример</u>: mouse prox/distance<3 trap (мышь prox/distance<3

ловушка)

Система найдет патенты, где слова **mouse** и **trap** находятся в текстовых полях (код поля txt) на расстоянии не более 3 (трёх) слов между ними в заданном порядке (в порядке написания).

- о **T1 prox/unit=sentence T2** <u>Пример</u>: mouse prox/unit=sentence trap Система найдет патенты, где слова mouse и trap встречаются в одном и том же предложении в текстовых полях.
- о **T1 prox/unit=paragraph T2** <u>Пример</u>: mouse prox/unit=paragraph trap Система найдет патенты, где слова mouse и trap встречаются в одном и том же параграфе (абзаце) в текстовых полях.
- о **T1 prox/ordered T2** <u>Пример</u>: ia=Apple **prox/ordered** ia=Corp Система найдет документы, содержащие в указанном порядке (в заданном поле) Apple Corp, а не Corp Apple.



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# Формула (Claims)

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# Закладка Original document

### «Максимизация» оригинального документа

US2015065309 (A1)	Original document: US2015065309 (A1) — 2015-03-05
Bibliographic data Description	★ In my patents list Previous 4 4/500  Next > EP Register II Report data error
Claims Mosaics	BICYCLE TRAINER
Original document	I I Page 1/7 Abstract Bibliography    ► ► 2 Maximise    Download
E http://worldwide.espacenet.co	m/maximizedOriginalDocument?ND=4&flavour=maximizedPlainPage&locale=en_EP&FT=D&date=20150305&CC=US&NR=2015065309A1&KC=A1
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→ → + - - - - - - - - - - - - -	(19) United States (12) Patent Application Publication Bauer et al. (10) Pub. No.: US 2015/0065309 A1 (43) Pub. Date: Mar. 5, 2015
	(54) BICYCLE TRAINER (52) U.S. Cl. CPC



### **Classification Search**

### (Поиск в СРС)

#### СРС базируется на ECLA и US Class, но в ней – вдвое больше 0

руорик.				
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the classifications listed?	E	FIXED CONSTRUCTIONS	s	
of a particular CPC class?	F	MECHANICAL ENGINEERING; LIGHTING; HEATING; WEAPONS; BLASTING ENGINES OR PUMPS	s	i
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mean?	<b>Y</b>	GENERAL TAGGING OF NEW TECHNOLOGICAL DEVELOPMENTS; GENERAL TAGGING OF CROSS -SECTIONAL TECHNOLOGIES SPANNING OVER SEVERAL SECTIONS OF THE IPC; TECHNICAL	s	i
Selected classifications		SUBJECTS COVERED BY FORMER USPC CROSS-REFERENCE ART COLLECTIONS [XRACS] AND DIGESTS		
nothing selected				



# Результат поиска в СРС по ключевым словам

### **Cooperative Patent Classification**

Search for bic	ycle	Search	View section   Index	A   B   C   D   E   F	G   H   Y		
		E [] 2000		« B62J	B62J3/00 »		
Symbol	Classification	and description					
<ul> <li>stolet **</li> </ul>	✓ B62J 1/00	Saddles or other seats for	cycles; Arrangement thereof; Co	omponent parts <u>()</u> [201	13-01-01]		
	B62J 1/002	<ul> <li>{ Saddles having a sea 01]</li> </ul>	ting area with a central cavity or	depression} [2013-01-			
	B62J 1/005	<ul> <li>{ Saddles having a seat [2013-01-01]</li> </ul>	ing area with multiple separate w	/eight bearing surfaces}			
	B62J 1/007	<ul> <li>{ Saddles with specific a</li> </ul>	anatomical adaptations} [2013-01	1-01]			
	B62J 1/02	<ul> <li>Saddles resiliently mounted on the frame; Equipment therefor, e.g. springs () [2013-01-01]</li> </ul>					
	B62J 1/04	<ul> <li>Saddles capable of sw</li> </ul>	vinging about a horizontal pivot [2	013-01-01]			
	B62J 1/06	<ul> <li>Saddles capable of pa</li> </ul>	rallel motion up and down [2013	-01-01]			
	B62J 1/065	••• { Saddles supported	on a parallelogram linkage} [201	13-01-01]			
	B62J 1/08	<ul> <li>Frames for saddles; Co pillars () [2013-01-01]</li> </ul>	nnections between saddle frame	es and seat pillars; Seat	t		
	B62J 1/10	<ul> <li>Internal adjustment of s</li> </ul>	addles [2013-01-01]				
	B62J 1/12	<ul> <li>Box-shaped seats; Ben</li> </ul>	ch-type seats, e.g. dual or twin se	eats [2013-01-01]			
	B62J 1/14	<ul> <li>Separate pillions [2013-</li> </ul>	01-01]				
	B62J 1/16	•• for children [2013-01-0	1]				
	B62J 1/162	••• { Child seats special	ly adapted for motorcycles} [2013	3-01-01]			

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