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# Кому нужна патентная информация?

- **Руководству фирм** – для оценки перспективности проектов

- **Отделам развития и маркетинга для :**

- Конкурентной разведки

- отслеживания тенденций на рынке

- поиска инвестиционно-привлекательных проектов и приобретения ценных активов

- Анализ патентной документации позволяет предвидеть новые товары и услуги за 2-3 года до их появления на рынке

- **Юристам** - для

- защиты интеллектуальных активов компании и

- предупреждения нарушений прав интеллектуальной собственности

- **Отделам интеллектуальной собственности**

- **Исследователям, ученым, разработчикам.**

До 80 % научно-технической информации публикуется только в патентной документации.

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включает патентные документы, опубликованные более чем 95 национальными и международными патентными ведомствами.

Полностью интегрирована с полнотекстовыми патентами.

Содержит рефераты на английском языке, библиографические сведения, коды патентной документации (( международные, европейские, американские, японские).

Содержит свыше 60 млн. записей.

Поиск родственных патентов (**Patent Family**), юридического статуса документа, цитируемых и цитирующих патентных патентных документов.

Обновляется еженедельно.

Архив с 19 века.

Полные тексты: EP, PCT, US, PCT, EP, DE, FR, GB,ES, JP (с 2004 на англ.), CH, BE, AT, DK,JP, CN (с 1985 на англ.), EN (Индия), FI (с 1941 на англ.), KR (с 1978 на англ.), BR, RU( с 1924 г.)

# Questel full-Text Databases можно посмотреть по адресу

[http://www.questel.com/customersupport/Coverage\\_and\\_Updates\\_FullText.htm](http://www.questel.com/customersupport/Coverage_and_Updates_FullText.htm)

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## Full-Text Databases Coverage and Update

Last Update: March 28th, 2011

Note: The following full-text databases are all included and searchable in [FamPat](#) database.

	From	Original Language	English Translation	Image	Mosaic	Searchable PDF	Kind Code	Update Frequency	Delay	Last Input Week
Austria	1975	DE				Y	Applications (A)	Monthly (timing dependent upon respective office)	6 weeks	2011-10
	1902						Granted (B)			
	1994						Utility (U)			
Belgium	1925	DE/FR/DU				Y	Applications (A)	Monthly	1 month	2010-46
Brazil	1975	PT	Y				Y (1975+) Utility (U) Applications (A)	Weekly	1 week	2011-12
Canada	1978	EN/FR	Y	Y	Y	Y (2008+)	Applications (A)	Weekly	4 days	2011-12
	1986						Granted (C/E)			
China	1985	CN	Y	Y		Y (2010+)	Applications (A) Granted (B/C) Utility (U/Y)	Monthly	1 month	2011-11
Denmark	2000	DK	Y			Y (2000+)	Granted (B/C)	Weekly	1 month	2011-08
EP	1978	EN/FR/DE	Y	Y	Y	Y (2005+)	Applications (A) Granted (B)	Weekly	1 day	2011-12
Finland	2000	FI	Y			Y (2000+)	Granted (B/C)	Weekly	1 month	2011-11
France	1920	FR	Y	Y	Y	Y (2008+)	Applications (A)	Weekly	6 days	2011-11
Germany	1987	DE	Y	Y	Y		Applications (A) Granted (C) Translation (T)	Weekly	1 day	2011-12
	2004						Utility (U)			
India	2004	EN				Y (2004+)	Granted (B)	Weekly	1 week	2011-11
Japan	1993	JP	Y	Y	Y (2004+)	Y (2004+)	Applications (A) Translation (T) Utility (U)	Weekly	1 week	2011-11
Korea	1978	KR	Y	Y			Applications (A) Utility (U/Y)	Weekly	1 week	2011-12
PCT	1978	EN/FR/DE/ES JP/RU/KR/CN/PT	Y	Y		Y (2003+)	Applications (A)	Weekly	1-5 days	2011-12
Russia	1924	RU	Y	Y			Applications (A)	Weekly	1 month	2011-12
	1993						Granted (C)			
	1994						Utility (U)			





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# Поиск по ключевым терминам в названии, реферате, ключевом контенте, полном текстк, концепции, описании) До 6 окон

The screenshot shows the Orbit.com patent search interface. The main window is titled "General search" and contains several search criteria sections: "Keywords", "Numbers, Dates & Country", and "More fields". A dropdown menu is open under "Keywords", showing options like "Title, Abstract, Key Content", "Title", "Title, Abstract", etc. A search box contains the text "E.g.:Telecom+ OR phone". A "Wizard" window titled "Multilingual search wizard" is open in the foreground. It displays the search term "telecommunication" and a list of suggested synonyms in German, English, and French, such as "Telekommunikation", "tele communication", "telco", "telecom", "télé communication", "télécom", "télécommunication", and "télécoms".

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Логическим оператором **ИЛИ**

# Поиск по классификации

The screenshot shows a web browser window with a search interface. The address bar contains 'spbu.ru:2066/#PatentHomePage'. The browser's address bar shows 'orbit.com' and 'IPC'. The search interface has a 'General search' section with 'Keywords' and 'Classifications' tabs. The 'Classifications' section is active, showing a dropdown menu for 'Names' with options: ECLA, ICO, IPC, ECLA, ICO, US (main), US (main & x-ref), FI, and F-Terms. The 'IPC' option is selected. Below the dropdown, there are search fields for 'IPC', 'Corporate Tree', and 'E.g.:Fleming Alexander, Moyer Andrew'. The 'IPC' field has a 'Browse' button and an example 'E.g.:G10L-015'. The 'Corporate Tree' field has a 'Corporate Tree' button and an example 'E.g.:Siemens Nixdorf'. The 'E.g.:Fleming Alexander, Moyer Andrew' field has a checkmark and an example 'E.g.:Fleming Alexander, Moyer Andrew'. The 'E.g.:Baker Botts' field has a checkmark and an example 'E.g.:Baker Botts'.

**Изобретения классифицируются:**  
**IPC-International Patent Classification**  
**ECLA-European Classification (более точная)**  
**ICO - Classification In Computer Only**  
**(для характеристик, которых нет в ECLA)**  
**U.S. –классификация патентного ведомства США**  
**FI,F-term-классификация Японского патентного ведомства**

Использование встроенного словаря имен патентообладателей и изобретателей помогает точно идентифицировать имена компаний. IBM – IBM Corporation, IBM Corporation, IBM Corportion, etc  
При необходимости можно выявить иерархическую структуру компании и определить сколько патентов принадлежит тому или иному подразделению

The screenshot displays the Orbit.com patent search interface. A 'Wizard' window titled 'Corporate Tree' is open, showing a hierarchical list of companies under the 'IBM' category. The list includes 'International Business Machines Corp. (58)' and various subsidiaries like 'Coremetrics, Inc. (0)', 'Lombardi Software, Inc. (0)', 'Corio, Inc. (0)', 'SPSS Inc. (2)', 'Sterling Commerce, Inc. (1)', 'Cast Iron Systems, Inc. (0)', 'Initiate Systems, Inc. (2)', 'BigFix, Inc. (0)', 'DataPower Technology, Inc. (0)', 'Ounce Labs, Inc. (0)', 'Taligent Inc (0)', 'IBM Thomas J. Watson Research Center (0)', 'Rational Software Corp. (2)', 'IBM Canada Limited (0)', 'IBM Japan Ltd. (1)', 'Candle Corporation (0)', 'IBM XIV Storage System (0)', 'MRO Software Inc. (0)', and 'Softek Storage Solutions Corporation (0)'. A green arrow points from the top of the wizard to the 'Corporate Tree' button in the main search results area. The main interface shows search filters for 'Title, Abstract, Key Content', 'Classifications' (IPC and ECLA), 'Names' (Assignee: IBM), and 'Numbers, Dates & Country' (No Restriction). The search results area on the right shows a list of patents with checkboxes and buttons like 'Browse' and 'Corporate Tree'.

Часто возникает необходимость поиска документов по номеру изобретения, написания которых могут различаться в различных патентных ведомствах.

**EP1234, WO99/42447, US 5,655,211, GB 12 18 623, GB222222**

The screenshot displays the Orbit.com patent search interface. The main window is titled "General search" and shows a list of patent numbers under the "Numbers" classification. The list includes:

- EP---1234
- WO9942447
- US5655211
- GB1218623
- GB222222

The "Numbers Assistant" dialog is open, displaying the search results for the entered numbers: "EP1234, WO99/42447, US 5,655,211, GB 12 18 623, GB222222". The dialog also shows the publication numbers: "US 5,000,000", "08/123,456", and "PCT/CCYYY/999999". The dialog includes a "Format" button and a "Clear" button.

The interface also shows a sidebar with navigation options such as "Searches", "My Session", "Past Sessions", "My Searches", and "My Lists". The bottom of the interface has buttons for "Search", "Show the cmd. line", "Create script", and "Clear".

# Поиск по стране публикации

Screenshot of the Orbit.com patent search interface. The browser address bar shows the URL: <https://proxy.library.spbu.ru:2066/#PatentRegularAdvancedSearchPage>. The page title is "Patents" and the current view is "General search".

The search criteria are as follows:

- Title, Abstract, Key Content:** technology
- Full Text:** connection
- Title, Abstract, Key Content:** (empty)

**Classifications:** and IPC (empty)

**Names:**

- Assignee (Original or Current):** Corporate Tree (E.g.: Siemens Nixdorf)
- Inventor:** (empty) (E.g.: Fleming Alexander, Moyer Andrew)
- Representative:** (empty) (E.g.: Baker Botts)

**Numbers, Dates & Country:**

- Publ. number:** (empty) (E.g.: EP0980063)
- Date:** No Restriction
- Publication country:** (redacted) (E.g.: US, EP)

**More fields:** Abstracts (empty)

**Restriction:** (empty)

Buttons at the bottom: Search, Show the cmd. line, Create script, Clear.



- 
- **EP** - полные тексты всех (свыше 1 700 000) европейских патентных документов. Включает библиографические, юридические и административные данные. Частота обновления – еженедельно.
- **FR** - около 2 миллионов патентных документов патентного ведомства Франции с 1920 года.
- **US** - полные тексты (около 4-х миллионов) патентных документов патентного ведомства США с 1920 года
- **DE**- полные тексты документов патентного ведомства Германии с 1987 года, полезные модели с 2004 года.
- **GB** – полные тексты (свыше 1 800 000) патентов Великобритании с 1920 года **AT** – полные тексты патентов Австрии с 1902 г. (свыше 236 000)
- **BE** - полные тексты патентов Бельгии с 1925 г. (свыше 2276 000)
- **CH** – полные тесты патентов Швейцарии с 1894 г. (свыше 307 000)
- **JP** - полные тесты патентов Японии на английском языке с 2006 года
- **CN** - полные тесты патентов Китая на английском языке с 1985 года **ES**- полные тексы испанских патентных документов с 1980 г.
- **RU** – (полные тексы русских и советских патентных документов с 1924 г.
- **IN** – Рефераты индийских патентных документов с 2005 г.
- **WO** – мировой патент

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- Previous History
- Previous Analysis

My Searches

- My saved searches

My Lists New

- Quicklist (0)

General search

Keywords

Title, Abstract, Key Content

Classifications

and IPC

Abstracts

Abstracts

Restriction

Поиск по дополнительной информации:

До 4 полей с дополнительной информацией:

Abstract – реферат

Advantages... -преимущества по сравнению с  
предыдущим

Object of invention – объект изобретения

Citations,all- все цитирования

citations.,non patent – ссылки не в патентах

Designated states – указанные ведомства

PCT Publication number-номер патента

PCT appl. Number-номер заявки

Inventor Country- страна изобретатель

И так далее

До 29 критериев



# General Search

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General search

**Keywords**

Title, Abstract, Key Content

((telecommunication?) OR Telekommunikation? OR (tele communication?) OR telecom? OR telco? OR telecom? OR (tele? communication?) OR telecom OR telecommunication? OR telecoms)

Title, Abstract, Key Content

((mobil))

Full Text

((technologies OR technology) OR Technologi?? OR Ingenieur? OR Ingenieurin??? OR Techniker? OR technologisch???? OR (applied science?) OR engineering? OR (applied scientist?) OR engineer? OR technological OR technologist? OR ingenierie? OR (science? applique??) OR technologie? OR deparneur?? OR ing? OR ingenieur? OR reparatrice? OR reparateur? OR (techno?? logique?) OR technologique?)

Title, Abstract, Key Content

**Classifications**

and IPC

Browse E.g.:G10L-015

**Names**

Assignee (Original or Current)

Corporate Tree E.g.:Siemens Nixdorf

Inventor:

E.g.:Fleming Alexander, Moyer Andrew

Representative:

E.g.:Baker Botts

**Numbers, Dates & Country**

Publ. number

E.g.:EP0980063

Date:

No Restriction

Publication country:

E.g.:US, EP

**More fields**

Abstracts

МОБИЛЬНАЯ СВЯЗЬ. ТЕЛЕКОММУНИКАЦИИ

## ВОЗМОЖНОСТИ ЯЗЫКА ЗАПРОСОВ

+	Эквивалентно любому количеству букв и знаков до или после знака + Можно ставить в конце ,середине или начале слова
?	Эквивалентно одной букве/знаку или его отсутствию
#	Эквивалентно точно одной букве/знаку

# ВОЗМОЖНОСТИ ЯЗЫКА ЗАПРОСОВ

OR	Операция "логическое ИЛИ"	sulfur OR sulphur
AND	Операция "логическое И"	plutonium AND isotope
NOT	Предыдущий термин при отсутствии последующего (логическое "НЕ")	suv NOT vesicle
F	Предыдущий и последующий термины в одном поле	sodium F chlorine
S	Предыдущий и последующий термины в одном предложении	sodium S chlorine
P	Предыдущий и последующий термины в одном абзаце	sodium P chlorine

D	Предыдущий и последующий термины рядом в любом порядке	Redundancy D check+
Nd	Предыдущий и последующий термины рядом в любом порядке, причем между ними может быть от 0 до n других терминов (n от 1 до 9)	electric+ 2D conduct+ 2D adhesive
W	Предыдущий и последующий термины рядом в указанном порядке. Если между терминами не указан оператор, по умолчанию выполняется W	smart W card? = smart card?
nw	Предыдущий и последующий термины рядом в указанном порядке, причем между ними может быть от 0 до n других терминов (n от 1 до 9)	friction 1W pad?
Скобки (...)	Скобки задают приоритет (последовательность выполнения) при комбинировании операторов	((wireless W application W protocol) OR wap) NOT (dna OR

# Работа с результатами поиска

library.spbu.ru:2066/#PatentListPage

241 results for (((telecommunication?) OR Telekomunikation? OR (tele communication?) OR telecom? OR telco? OR telecom? OR (tele? con...))

#	Title	Author	Patent No.	Date
1.	SYSTEMS AND METHODS FOR VERIFYING RECEIPT OF BROADCAST TRANSMISSIONS PRIOR TO BILLING	QUALCOMM	WO2010151665	2009-06-25
2.	Telecommunication device i.e. mobile-telephone, has touch pad provided as control command input device that is arranged on rear side of housing-part, and information-bearing object controlled in touch pad	BENZ GERHARD	DE102009005136	2009-01-15
3.	I P-PBX WITH EMBEDDED GSM/UMTS INTERFACE	ADAM ARGE HABERLESME TEKNOLOJI	TR200805319	2008-07-17
4.	A METHOD AND AN APPARATUS FOR ACCESS CONTROL IN A MOBILE COMMUNICATIONS SYSTEM	ERICSSON	WO2009151372	2008-06-10
5.	SESSION-BASED TELECOMMUNICATIONS	VODAFONE; VODAFONE TEKNOLOJI HIZMETLERI	WO2009127873	2008-04-17
6.	FIELD MONITORING SYSTEM USING A MOBILE TERMINAL	ID FONE	WO2009104923	2008-02-21
7.	METHOD FOR REGISTERING POSITION, MOBILE COMMUNICATION SYSTEM, AND WIRELESS BASE STATION	NTT DOCOMO; NTT-NIPPON TELEGRAPH AND TELECOM	WO2009099064	2008-02-05
8.	MOBILE APPROVAL SYSTEM AND METHOD	VODAFONE; VODAFONE TEKNOLOJI HIZMETLERI	WO2009090428	2008-01-15
9.	A METHOD OF SENDING PROVIDING DATA SECURITY OVER AN UNSECURED NETWORK	VODAFONE; VODAFONE TEKNOLOJI HIZMETLERI	WO2009093084	2008-01-24
10.	OPTIMIZED MOBILE INTERNET ACCESS	ERICSSON	WO2009084989	2007-12-31
11.	INTEGRATED HANDOVER AUTHENTICATING METHOD FOR NEXT GENERATION NETWORK (NGN) WITH WIRELESS ACCESS TECHNOLOGIES AND MOBILE IP BASED MOBILITY CONTROL	ELECTRONICS & TELECOMMUNICATIONS RESEARCH INSTITUTE; KOREA ELECTRONICS & TELECOMMUNICATIONS RESEARCH INSTITUTE	KR20090066116	2007-12-18
12.	A METHOD OF AND AN ARRANGEMENT FOR CALL ESTABLISHMENT BETWEEN AN INTERNET COMMUNICATION ENVIRONMENT AND A MOBILE COMMUNICATION ENVIRONMENT	ERICSSON	WO2009076971	2007-12-14
13.	Telecommunications equipment, in particular mobile phone with Touchpad control [Machine Translation]	BENZ GERHARD	DE202009000620	2009-01-15
14.	UPDATING MOBILE DEVICES WITH ADDITIONAL ELEMENTS	DVAISUFIDIRIT; DEVICEFIDELITY	US2009065572	2007-09-12
15.	Method for data transmission in a mobile telecommunications system based on Proxy Mobile IPv6	SIEMENS	EP2020793	2007-07-31
16.	METHOD AND APPARATUS FOR GENERATING AN IP ADDRESS FOR USE BY THE MOBILE HOST III A PROXY MOBILE IP COMMUNICATIONS NETWORK	ERICSSON	GB0720283	2007-10-17
17.	METHOD AND DEVICE FOR PRODUCING FIXED-MOBILE CONVERGENT TELECOMMUNICATIONS SERVICES	DETECON INTERNATIONAL; DEUTSCHE TELEKOM	WO2008110294	2007-03-13
18.	METHOD AND APPARATUS FOR PROVIDING CIRCUIT SWITCHED DOMAIN SERVICES OVER A PACKET SWITCHED NETWORK	ERICSSON	WO2008087521	2007-01-15
19.	MOBILE SATELLITE SERVICE VIA 3GPP GENERIC RATIO ACCESS NETWORK	ERICSSON	US2008167032	2007-01-05
20.	MOBILE IP PROXY	ERICSSON	WO2008080420	2006-12-28

Page 1 of 10 | Record 1 of 241 | Displaying records 1 - 25 of 241

При количестве результатов более 2 500 сортировка не работает

**Приоритет** — преимущественное право заявителя на получение патента по отношению к другому заявителю, обусловленное более ранней датой совершения установленного Патентным законом действия. Дата совершения определенного действия и есть дата приоритета. По общему правилу, кто из заявителей раньше подал заявку, тот и имеет приоритет в случае конфликта интересов. Чаще всего, он устанавливается по дате подачи заявки. Однако так бывает далеко не всегда. Законодательство называет и другие действия, совершение которых позволяет установить приоритет по более ранней дате, чем дата подачи заявки. Это может быть в случае конвенционного приоритета, когда одновременно с подачей заявки в национальное патентное ведомство указывается одна или несколько стран участниц Парижской конвенции по охране промышленной собственности (конвенционный приоритет – РСТ заявка). Однако чтобы воспользоваться конвенционным приоритетом необходимо подать заявку в России в течении 12 месяцев с даты подачи заявки в другой стране



# Работа с результатами поиска

https://proxy.library.spbu.ru:2066/#PatentListPage

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Quicklist (0)

Telecommunication device i.e. mobile-telephone, has touch pad provided as control command input device that is arranged on rear side of housing-part, and information-bearing object controlled in touch pad

DE102009005136 2009-01-15

BENZ GERHARD

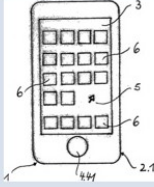
Original or current assignee

Publ. number

Pr. Date

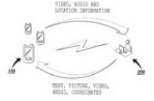
1

(DE102009005136)  
The device has a housing comprising a housing-part (2.1) with a visual display (3) on a front side for wirelessly transmitting information to the device. A touch pad is provided as a control command input device. An information-bearing object (6) is controlled in the touch pad. The object is indicated by a cursor (5) and appears on the display by using fingertips. The object moves the cursor on the display. A track ball or a stick is provided as the control command input device. The control command input device is arranged on a rear side of the housing-part.




2. FIELD MONITORING SYSTEM USING A MOBILE TERMINAL ID FONE WO2009104923 2008-02-21

(WO2009104923)  
The invention relates to a field monitoring system using a mobile terminal, the system comprising: a mobile terminal, which transmits context information and receives 3D image information corresponding to said context information, the context information consisting of audio-video information generated by photographing images of the field and by recording sounds in the field, and location information obtained by applying sensed signals from an accelerometer and from a Gyroscope sensor to a GPS signal including latitude, longitude and time; and a control server which receives the context information, matches location information of the context information with a pre-stored map or architectural drawing information to generate 3D image information for the current location of the mobile terminal, and transmits the generated information to the mobile terminal. Therefore, by using a wireless terminal that utilizes a commercial communication module, GPS and INS, the invention presents advantages in finding out the location of each personnel member who is sent to even a wide-area disaster, and photographing any unexpected accident or situation or blind spots.



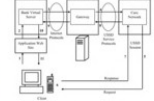
3. METHOD FOR REGISTERING POSITION, MOBILE COMMUNICATION SYSTEM, AND WIRELESS BASE STATION NTT DOCOMO; NTT-NIPPON TELEGRAPH AND TELECOM WO2009099084 2008-02-05

(EP2242291)  
A location registration method according to the present invention, includes: transmitting, at a mobile station (UE), a TA signal, when detecting that the mobile station (UE) has moved out of a TA list with which the mobile station (UE) is already registered by location registration processing; and transferring, from a radio base station (eNB) to an exchange (MME) identified by an exchange ID included in the TAU signal. An exchange ID assigned to a mobile station (#a) belonging to a first layer is different from an exchange ID assigned to a mobile station (#b) belonging to a second layer, even though the same exchange is identified by the exchange IDs. A TA list and a pool area set for the mobile station (#a) is different from a TA list and a pool area set for the mobile station (#b).



4. MOBILE APPROVAL SYSTEM AND METHOD VODAFONE; VODAFONE TEKNOLOJJI HIZMETLERI WO2009090428 2008-01-15

(WO20090428)  
Mobile Approval System and Method is a system and method providing the approval of transactions such as banking, login into sub-networks and e-questionnaire on secured GSM networks in a session-based structure realized over the Internet or similar networks, which are not secured and which require an approval. This invention uses protocols, which the Internet network supports on the unsecured Internet side and the session-based USSD service protocols operating on all mobile telephones on the SS7-based GSM network. A gateway is provided taking over the functioning of an 'Approval Server' between the Internet network and the GSM networks. With this gateway, service requests coming via the Internet network are processed by the interfaces listening to the Internet protocols of the gateway and sent to the GSM networks over USSD (Unstructured Supplementary Service Data). In the proposed method, the user is requested to enter the password






Telecommunication device i.e. mobile-telephone, has touch pad provided as control command input device that is arranged on rear side of housing-part, and information-bearing object controlled in touch pad

AB (DE102009005136)  
The device has a housing comprising a housing-part (2.1) with a visual display (3) on a front side for wirelessly transmitting information to the device. A touch pad is provided as a control command input device. An information-bearing object (6) is controlled in the touch pad. The object is indicated by a cursor (5) and appears on the display by using fingertips. The object moves the cursor on the display. A track ball or a stick is provided as the control command input device. The control command input device is arranged on a rear side of the housing-part.

IN BENZ GERHARD  
PA BENZ GERHARD  
PAH (DE102009005136)  
(A1) BENZ GERHARD (DE)

Published As

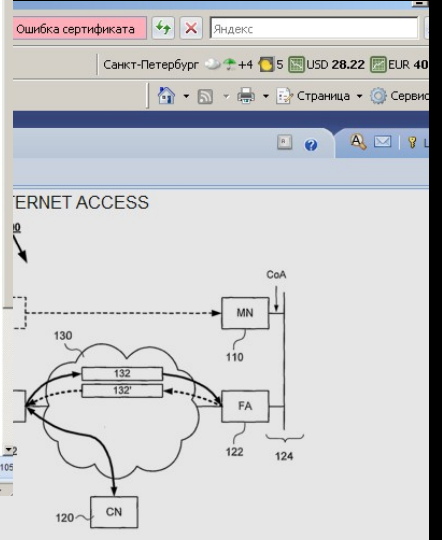
Publ. number	Pub. date	Publ. Stage	Links
DE102009005136	20100722	A1 - Doc. laid open (First publication)	  

IC H04M-001/23  
ICAA H04M-001/23 [2006-01 A F I B H DE]  
ICCA H04M-001/23 [2010 C F I B H DE]  
UP 2010.28

# Работа с результатами поиска

The screenshot shows the Orbit.com search results page. A red box highlights the 'Add to' menu options: 'Add to a workflow', 'Add to a list', and 'Add to my patents copies'. The main table lists search results with columns for rank, title, assignee, and publication number. The first result is 'DIGITAL CONTENT DISTRIBUTION SYSTEM FOR DELIVERING LOCATION SPECIFIC CONTENT TO AN AD HOC GROUP OF MOBILE SUBSCRIBERS' by WO2011022127.

#	Title	Original or current assignee	Publ. number
1	DIGITAL CONTENT DISTRIBUTION SYSTEM FOR DELIVERING LOCATION SPECIFIC CONTENT TO AN AD HOC GROUP OF MOBILE SUBSCRIBERS	& VIEW CONNECTIONS, VIEW CONNECTIONS	WO2011022127
2	...arger dispatching on airports, (IMPHS) and the technical mechanism (IMPH), due to it, in this procedure will cross the flight passenger after arrival at the airport and [Machine Translation]	EAA	DE102008050429
3	INFORMATION SYSTEM HAVING A HAND-HELD INFORMATION DEVICE	SCHULZE HENRIK	DE20200904683
4	INTEGRATED HANDOVER AUTHENTICATING METHOD FOR NEXT GENERATION NETWORK (NGN) WITH WIRELESS ACCESS TECHNOLOGIES AND MOBILE IP BASED MOBILITY CONTROL	ELECTRONICS & TELECOMMUNICATIONS RESEARCH INSTITUTE, KOREA ELECTRONICS & TELECOMMUNICATIONS RESEARCH INSTITUTE	KR20090068116
5	DATA FADING TO SECURE DATA ON MOBILE CLIENT DEVICES	IAN'YWHERE SOLUTIONS	US2009150970
6	SHORT-RANGE COMMUNICATION-ENABLED MOBILE DEVICE, METHOD AND RELATED SERVER ARRANGEMENT	VALTION TEKNIKKIENEN	FI0095402
7	ARRANGEMENT FOR AN NFC COMPATIBLE MOBILE DEVICE FOR DELAYED TRANSFER OF AN ESTABLISHED FRIEND CONNECTION AND A RELATED METHOD	VALTION TEKNIKKIENEN	FI0095397
8	Mobile terminal and data updating method thereof	LG ELECTRONICS	CA2623033
9	ACCESS TERMINAL AND INDICATION FOR PROXY MOBILE INTERNET PROTOCOL VERSION 6	NOKIA & SIEMENS NETWORKS	WO2009043846
10	UPDATING MOBILE DEVICES WITH ADDITIONAL ELEMENTS	DIVASUFIDERTI, DEVICEFIDELITY	US2009065572
11	Aluminum hollow with [Machine Translation] for the installation of a Sat antenna and a table set with automatic opening of the bearing cup in travel mobile [Machine Translation]	SELLMAIER SEH	DE20200804896
12	Uebplatz [Machine Translation]	BUSMANN RALF	DE202007015445
13	SEEDING CHALLENGES FOR PAYMENT TRANSACTIONS	VISA	US2008319889
14	UNIVERSAL KEY AND MECHANICAL-ELECTRONIC LOCK WITH STANDARDISABLE COMPONENTS	COUZZI CESIDIO	ITAQ20070006
15	HANDLING OF ABSENCE MESSAGES IN A MOBILE NETWORK INFRASTRUCTURE	TMO KEHAG	WO200802815
16	MOBILE COMMUNICATION SYSTEM, BASE STATION DEVICE, AND USER DEVICE AND METHOD	NTT DOCOMO, NTT-HIPPON TELEGRAPH AND TELECOM	WO2008123148
17	A METHOD FOR REDUCING RECEPTION TIMES OF OVERHEAD INFORMATION BY MOBILE MULTIMEDIA BROADCAST TERMINAL	ZTE	CN1960514
18	METHOD AND SYSTEM FOR PROVIDING MOBILE TELEPHONE CALL TERMINATION SERVICE OVER OPEN SEA	KOREA RESEARCH INSTITUTE OF STANDARDS & SCIENCE	KR20080020123
19	WIRELESS COMMUNICATION SYSTEM, APPARATUS, AND METHOD FOR TRANSMITTING INFORMATION TO DESCRIBE NETWORK TOPOLOGY	INSTITUTE FOR INFORMATION INDUSTRY, INSTITUTE INFORMATION INDUSTRY	CA259547
20	METHOD AND SYSTEM FOR DETERMINING MOBILE EMISSIONS REDUCTION CREDITS	GLOBAL GSC, MILLER DAVID, MOBILE GSE	WO2008002815
21	MOBILE COMMUNICATION TERMINAL CAPABLE OF PINPOINTING A TAG'S LOCATION AND INFORMATION PROVIDING SYSTEM AND SERVICE METHOD UTILIZING BOTH OF THEM	SEO DONG WOOK	WO2007145450



This screenshot shows a detailed view of a patent record. The title is 'METHOD FOR REGISTERING POSITION, MOBILE COMMUNICATION SYSTEM AND WIRELESS BASE STATION' (EP2242291). The abstract describes a location registration method where a mobile station (UE) sends a signal to a base station (eNB) which is already registered by location registration processing. The method involves exchanging IDs and signals between the mobile station and the base station to identify and register the mobile station's location.

Below the abstract, there are sections for 'MOBILE APPROVAL SYSTEM AND METHOD' (WO2009090428) and 'OPTIMIZED MOBILE INTERNET ACCESS' (EP2245086).

This screenshot shows another patent record. The title is 'METHOD AND MOBILE NODE AND A NODE ARRANGEMENT FOR PERFORMING THE METHOD' (EP2245086). The abstract describes a method for selecting a connection for a mobile node (310) arranged to operate and communicate with a network node arrangement (312) via a plurality of connections (224, 314, 316). The method involves sending a first registration request via a first connection, a second registration request via a second connection, and a second registration reply comprising routing cost for the second connection as a response to the first registration request.



# Работа с результатами поиска

Screenshot of the Orbit.com search results page for the query "MOBILE APPROVAL SYSTEM AND METHOD". The page displays a list of 146 search results, with the first 19 results visible. A red box highlights the export options menu, which includes options such as "Export as TXT", "Export as PDF", "Export as RTF", "Export as XLS", "Export as CSV", "Export as XML", "Email (permalinks)", "Bizint Export", "VantagePoint Export", "Export Intelicir", and "My export profiles".

#	Title	Original or current assignee	Publ. number	Pr. Date
1.	Mobile-telephone, has touch pad provided that is arranged on rear side of housing object controlled in touch pad	BENZ GERHARD	DE102009005136	2009-01-15
2.	MOBILE TERMINAL	ID FONE	WO2009104923	2008-02-21
3.	METHOD AND APPARATUS FOR GENERATING AN IP ADDRESS FOR USE BY THE MOBILE HOST IN A PROXY MOBILE IP COMMUNICATIONS NETWORK	NTT DOCOMO; NTT-NIPPON TELEGRAPH AND TELECOM	WO2009099064	2008-02-05
4.	METHOD AND APPARATUS FOR GENERATING AN IP ADDRESS FOR USE BY THE MOBILE HOST IN A PROXY MOBILE IP COMMUNICATIONS NETWORK	VODAFONE; VODAFONE TEKNOLOJI HIZMETLERI	WO2009090428	2008-01-15
5.	METHOD AND APPARATUS FOR PROVIDING CIRCUIT SWITCHED DOMAIN SERVICES OVER A PACKET SWITCHED NETWORK	ERICSSON	WO2009084989	2007-12-31
6.	METHOD AND APPARATUS FOR PROVIDING CIRCUIT SWITCHED DOMAIN SERVICES OVER A PACKET SWITCHED NETWORK	ELECTRONICS & TELECOMMUNICATIONS RESEARCH INSTITUTE; KOREA ELECTRONICS & TELECOMMUNICATIONS RESEARCH INSTITUTE	KR20090066116	2007-12-18
7.	METHOD AND APPARATUS FOR PROVIDING CIRCUIT SWITCHED DOMAIN SERVICES OVER A PACKET SWITCHED NETWORK	ERICSSON	GB0720283	2007-10-17
8.	METHOD AND DEVICE FOR PRODUCING FIXED-MOBILE CONVERGENT TELECOMMUNICATIONS SERVICES	DETECON INTERNATIONAL; DEUTSCHE TELEKOM	WO2008110294	2007-03-13
9.	METHOD AND APPARATUS FOR PROVIDING CIRCUIT SWITCHED DOMAIN SERVICES OVER A PACKET SWITCHED NETWORK	ERICSSON	WO2008087521	2007-01-15
10.	METHOD AND APPARATUS FOR PROVIDING CIRCUIT SWITCHED DOMAIN SERVICES OVER A PACKET SWITCHED NETWORK	ERICSSON	WO2008080420	2006-12-28
11.	SEAMLESS CONFIGURATION OF MOBILE EQUIPMENT WITH VIRTUAL SUBSCRIPTION IN WIRELESS NETWORKS OUTSIDE THE HOME NETWORK	TELIAISONERA	SE0602560	2006-11-30
12.	REDUCING MOBILE-TERMINATED CALL SET UP BY IDENTIFYING AND MITIGATING OVERLAP BETWEEN PAGING AND SYSTEM INFORMATION BROADCAST	QUALCOMM	WO2008060879	2006-11-09
13.	Multi-band multi-standard modular transceiver circuit for wireless communication mobile and base stations	ALCATEL; ALCATEL LUCENT	EP1816752	2006-02-06
14.	ARRANGEMENT AND METHOD IN A MOBILE TELECOMMUNICATION SYSTEM	ERICSSON	WO2007069988	2005-12-14
15.	MOBILE COMMUNICATION TERMINAL WITH HORIZONTAL AND VERTICAL DISPLAY OF THE MENU AND SUBMENU STRUCTURE	NOKIA	US2006246955	2005-03-02
16.	METHOD FOR ELECTRONIC TRANSACTION BY MOBILE MESSAGING	TUIL CHARLES	FR2880449	2004-12-31
17.	Providing time information in an asynchronous mobile communication system in response to a location registration request	SAMSUNG ELECTRONICS	EP1655644	2004-11-09
18.	METHOD FOR PROVIDING MOBILITY TO A MOBILE HOST IN A WIRELESS NETWORK EMPLOYING POINT-TO-MULTIPOINT MULTI-PROTOCOL LABEL SWITCHING	PANASONIC	WO2006015614	2004-08-13
19.	Method and apparatus for performing non-scheduled transmission in a mobile communication system for supporting E-DCH	SAMSUNG ELECTRONICS	EP1617607	2004-07-16

Figure 3 is a block diagram illustrating the Mobile Approval System and Method. It shows a Client (mobile phone) connected to a Bank Web Server (Bank Virtual Server) and an Application Web Site. The Bank Web Server and Application Web Site are connected to a Gateway via Internet Protocols. The Gateway is connected to an Approval Server via Internet Protocols. The Approval Server is connected to a GSM Network via USSD Service Protocols. The GSM Network is connected to a Core Network via USSD Session. The Client sends a Request to the Bank Web Server, which is processed by the Application Web Site and sent to the Gateway. The Gateway sends the Request to the Approval Server, which sends it to the GSM Network. The GSM Network sends a Response back to the Client.

AB (WO200990428)  
Mobile Approval System and Method is a system and method providing the approval of transactions such as banking, login into sub-networks and e-questionnaire on secured GSM networks in a session-based structure realized over the Internet or similar networks, which are not secured and which require an approval. This invention uses protocols, which the Internet network supports on the unsecured Internet side and the session-based USSD service protocols operating on all mobile telephones on the SS7-based GSM network. A gateway is provided taking over the functioning of an 'Approval Server' between the Internet network and the GSM networks. With this gateway, service requests coming via the Internet network are processed by the interfaces listening to the Internet protocols of the gateway and sent to the GSM networks over USSD (Unstructured Supplementary Service Data). In the proposed method, the user is requested to enter the password or the approval of the menu into the mobile phone, so that with this action there is no need for another interface and as there is only one session open between the user and the bank, nobody else can interfere. Further, in the method proposed, as the approval mechanism is the mobile phone when shopping is realized with a credit card, others will not be able to use the credit card or the information even though they pass into the hands of others.

IN DEMIR VEDAT  
PA VODAFONE  
VODAFONE TEKNOLOJI HIZMETLERI  
PAH (WO200990428)  
(A1) VODAFONE PLC (GB); DEMIR VEDAT (TR)  
(TR200800255)  
(A1) VODAFONE TEKNOLOJI HIZMETLERI (TR)  
PA0 Vodafone Group plc; / Vodafone House, The Connection (GB) (except US)  
DEMIR, Vedat; / İTÜ Teknokent, Koryolu, ARIZ (TR) (only US)  
RP (WO200990428)  
(A1) KESTON, David; Vodafone House, The Connection, Newbury Berkshire RG14 2EM (GB)

Page 1 of 6 Record 4 of 146 Displaying records 1 - 25 of 14

# Работа с результатами поиска

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General search

Keywords

- Concepts: MOBILE DEVICE,MOBILE PHONE,MOBILE PHONE USER
- Title, Abstract, Key Content: ((communication?) OR Kommunikation? OR Verstaendigung? OR Verstandigung? OR vermittelt?? OR ubertragen??? OR communicate? OR communicated OR communicating OR communication? OR communicant OR communique?)
- Title, Abstract, Key Content: ((telephone?) OR Fernsprechapparat? OR Telefonapparat? OR Fernsprechwesen OR Mobilfunk? OR Telefoni?? OR Telefonist? OR Telephon?? OR phone? OR (telephone? set?) OR operator? OR phone? OR phoned OR phoning OR (switchboard? operator?) OR telephone OR (telephone? operator?) OR telephonic OR telephonist? OR telephony OR telephone? OR standardiste? OR (tele phonie?) OR telephonant OR telephonie? OR telephonique? OR telephoniste? OR telephone?) AND ((connection?) OR Anschaltung? OR Stecker? OR Steckverbinder? OR angeschlossen?? OR geschaltet?? OR verbunden?? OR connecting? OR connective? OR connector? OR joining? OR connectable OR connected OR connecting OR connective OR joined OR joining OR branchement? OR chainon? OR connecteur? OR connection? OR connexion? OR jointement? OR liaison? OR montage? OR parente? OR rapport? OR branche? OR connectable? OR connectant OR connecte? OR joint OR jointignant OR joindre OR joint? OR jointif? OR jointive? OR raccordant OR raccorde? OR rapporte? OR rele?)
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Classifications

and IPC

Names

Assignee (Original or Current)

Inventor:

Representative:

Numbers, Dates & Country

Publ. number

Date: No Restriction

Publication country:

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Abstracts



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MOBILE APPROVAL SYSTEM AND METHOD

#	Title	Original or current assignee	Publ. number	Pr. Date
1.	Telecommunication device control command input device that changes on the side of housing-part, and information-bearing object controlled in touch pad	BENGER, GERHARD	DE102009005136	2009-01-15
2.	FIELD MONITORING SYSTEM USING A MOBILE TERMINAL	ID FONE	WO2009104923	2008-02-21
3.	METHOD FOR REGISTERING POSITION, MOBILE COMMUNICATION SYSTEM, AND WIRELESS BASE STATION	NTT DOCOMO; NTT-NIPPON TELEGRAPH AND TELECOM	WO2009099064	2008-02-05
4.	MOBILE APPROVAL SYSTEM AND METHOD	VODAFONE; VODAFONE TEKNOLOJI HIZMETLERI	WO2009090428	2008-01-15
5.	OPTIMIZED MOBILE INTERNET ACCESS	ERICSSON	WO2009084989	2007-12-31

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WIRELESS COMMUNICATION SYSTEM SUPPORTING MULTIPLE FREQUENCY BANDS AND MULTIPLE PROTOCOLS

#	Title	Original or current assignee	Publ. number	Pr. Date
1.	WIRELESS COMMUNICATION SYSTEM SUPPORTING MULTIPLE FREQUENCY BANDS AND MULTIPLE PROTOCOLS	NORTEL NETWORKS; NORTHERN TELECOM	WO9851103	1997-05-08
2.	Method in mobile telephone systems in which a subscriber identity module (SIM) is allocated at least two identities which are selectively activated by the user	COMVIK GSM	US6212372	1991-04-12
3.	Image display apparatus	PANASONIC	US2005088384	2000-10-26
4.	Method for maintaining a group call	EADS SECURE NETWORKS	US5970417	1992-12-17
5.	Method for handling of a call coming to terminal equipment in a digital transmission system, and a mobile telephone	NOKIA	US5450472	1991-06-17
6.	METHODS OF MITIGATION OF TROMBONE ROUTING IN AN IMS/MMD NETWORK	KDDI; TELCORDIA TECHNOLOGIES	WO2008027504	2008-08-31
7.	SLEEP OPTIMIZATION BASED ON SYSTEM INFORMATION BLOCK SCHEDULING	QUALCOMM	WO2007127942	2006-04-27
8.	NETWORK INITIATED MOBILITY MANAGEMENT FOR MOBILE TERMINALS	ERICSSON	US2007253359	2006-04-26
9.	Efficient handover of a mobile node within a network with multiple anchor points	PANASONIC	EP1841143	2006-03-31
10.	METHOD FOR RESTORING AN IPSEC CRYPTOGRAPHICALLY SECURED CONNECTION BETWEEN A P-CSCF AND A USER UNIT	SIEMENS	DE102006014594	2006-03-29
11.	Efficient IP address configuration in mobile networks with multiple mobility anchor points (MIAPs)	PANASONIC	EP1841184	2006-03-28
12.	(A) PERSONAL SECURITY SYSTEM USING A MOBILE COMMUNICATION TERMINAL AND A SECURITY METHOD THEREOF, ESPECIALLY IN CONNECTION WITH SENDING INFORMATION INDICATIVE OF A USER'S EMERGENT SITUATION TO THE NATIONAL POLICE AGENCY OR A SECURITY CENTER VIA A REMOTE SERVER	KIM PYONG TAEK; POLEGEN	KR20070039803	2005-10-10
13.	ADAPTIVE IPSEC PROCESSING IN MOBILE-ENHANCED VIRTUAL PRIVATE NETWORKS	NOKIA	WO2006137037	2005-06-24
14.	Mobile communications	BRITISH TELECOM	EP1727383	2005-05-27
15.	Advanced call forwarding user interface for mobile communication device	RESEARCH IN MOTION	CA2539302	2005-03-11
16.	LOCAL NUMBER SOLUTION FOR ROAMING MOBILE TELEPHONY USERS	STARHOME	WO2006087720	2005-02-16
17.	MAINTAINING CONSISTENT NETWORK CONNECTIONS WHILE MOVING THROUGH WIRELESS NETWORKS	AZARE NETWORKS; INTELNET TECHNOLOGIES; RUSTIC CANYON VENTURES SBC; SQUARE 1 BANK	US2006104262	2004-11-18
18.	Method of signaling QoS information at hand-over between access networks in an IP-based core network	SAMSUNG ELECTRONICS	US2006092879	2004-11-04
19.	Method and apparatus for performing non-scheduled transmission in a mobile communication system for supporting E-DCH	SAMSUNG ELECTRONICS	EP1617607	2004-07-16
20.	Method and server for peer-to-peer distribution of files requested for download	FRANCE TELECOM	EP1617591	2004-07-15
21.	SYSTEM AND ASSOCIATED MOBILE NODE, FOREIGN AGENT AND METHOD FOR	NOKIA	US2005286471	2004-06-29

AB (WO9851103)  
A wireless communication system facilitates wireless communication with a subscribing unit operating within a respective service area. At least one base station supports wireless communication within the service area in a plurality of frequency bands and according to a plurality of communication protocols. In a broadcast message, a transmitting base station indicates to the subscribing unit the plurality of frequency bands and the plurality of communication protocols available. The subscribing unit receives the broadcast message and communicates with the base station on one of the plurality of frequency bands according to one of the plurality of communication protocols. In another embodiment, the system includes a plurality of base stations providing overlying coverage within the service area. In such systems, multiple broadcast message may provide information regarding the overlying coverage provided. The broadcast message may also include channel information that indicates the available channels within the available frequency bands, preference information, traffic levels within the frequency bands, available bandwidth within the frequency bands and system operator information that may indicate to the subscribing unit operations on reserved portions of the frequency band is available. The broadcast message may also indicate traffic levels on overlying systems, the bandwidth provided and cost of service for the overlying systems. A subscribing unit operating within the service area receives the broadcast message, makes operational decisions, may elicit additional information, makes operational determinations and communicates on a selected frequency band according to a selected communication protocol.

IN SHAHEEN KAMEL M HUANG CHENHOIG  
PA NORTEL NETWORKS  
NORTHERN TELECOM  
PAH (WO9851103)  
(A2) NORTHERN TELECOM LTD (CA)  
(US6128490)  
SHAHEEN KAMEL M; FROM 19971213 TO 19971213  
NORTHERN TELECOM; FROM 19971213 TO 19990429  
HUANG, CHENHOIG; EP01119871216 TO 19971216

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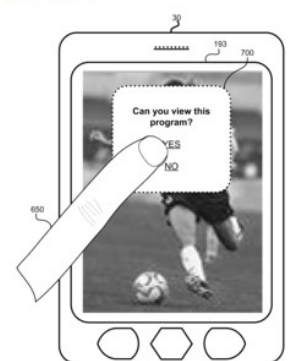
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Systemer og metoder for KONTROLLERE MOTTATT BROADCAST OVERFØRINGER for vi fakturerer



#	Title	Original or current assignee	Publ. number	Pr. Date
1.	<input checked="" type="checkbox"/> SYSTEMS AND METHODS FOR VERIFYING RECEIPT OF BROADCAST TRANSMISSIONS PRIOR TO BILLING	QUALCOMM	WO2010151665	2009-06-25
2.	<input type="checkbox"/> Telecommunication device i.e. mobile-telephone, has touch pad provided as control command input device that is arranged on rear side of housing-part, and information-bearing object controlled in touch pad	BENZ GERHARD	DE102009005136	2009-01-15
3.	<input type="checkbox"/> I P-PBX WITH EMBEDDED GSM/UMTS INTERFACE	ADAM ARGE HABERLESME TEKNOLOJI	TR200805319	2008-07-17
4.	<input type="checkbox"/> A METHOD AND AN APPARATUS FOR ACCESS CONTROL IN A MOBIL COMMUNICATIONS SYSTEM	ERICSSON	WO2009151372	2008-06-10
5.	<input type="checkbox"/> SESSION-BASED TELECOMMUNICATIONS	VODAFONE; VODAFONE TEKNOLOJI HIZMETLERI	WO2009127873	2008-04-17
6.	<input type="checkbox"/> FIELD MONITORING SYSTEM USING A MOBILE TERMINAL	ID FONE	WO2009104923	2008-02-21
7.	<input type="checkbox"/> METHOD FOR REGISTERING POSITION, MOBILE COMMUNICATION SYSTEM, AND WIRELESS BASE STATION	NTT DOCOMO; NTT-NIPPON TELEGRAPH AND TELECOM	WO2009099064	2008-02-05
8.	<input type="checkbox"/> MOBILE APPROVAL SYSTEM AND METHOD	VODAFONE; VODAFONE TEKNOLOJI HIZMETLERI	WO2009090428	2008-01-15
9.	<input type="checkbox"/> A METHOD OF SENDING PROVIDING DATA SECURITY OVER AN UNSECURED NETWORK	VODAFONE; VODAFONE TEKNOLOJI HIZMETLERI	WO2009093084	2008-01-24
10.	<input type="checkbox"/> OPTIMIZED MOBILE INTERNET ACCESS	ERICSSON	WO2009084989	2007-12-31
11.	<input type="checkbox"/> INTEGRATED HANDOVER AUTHENTICATING METHOD FOR NEXT GENERATION NETWORK (NGN) WITH WIRELESS ACCESS TECHNOLOGIES AND MOBILE IP BASED MOBILITY CONTROL	ELECTRONICS & TELECOMMUNICATIONS RESEARCH INSTITUTE; KOREA ELECTRONICS & TELECOMMUNICATIONS RESEARCH INSTITUTE	KR20090066116	2007-12-18
12.	<input type="checkbox"/> A METHOD OF AND AN ARRANGEMENT FOR CALL ESTABLISHMENT BETWEEN AN INTERNET COMMUNICATION ENVIRONMENT AND A MOBILE COMMUNICATION ENVIRONMENT	ERICSSON	WO2009076971	2007-12-14
13.	<input type="checkbox"/> Telecommunications equipment, in particular mobile phone with Touchpad control [Machine Translation]	BENZ GERHARD	DE202009000620	2009-01-15
14.	<input type="checkbox"/> UPDATING MOBILE DEVICES WITH ADDITIONAL ELEMENTS	DIVAIUSFIDERITI; DEVICEFIDELITY	US2009065572	2007-09-12
15.	<input type="checkbox"/> Method for data transmission in a mobile telecommunications system based on Proxy Mobile IPv6	SIEMENS	EP2020793	2007-07-31
16.	<input type="checkbox"/> METHOD AND APPARATUS FOR GENERATING AN IP ADDRESS FOR USE BY THE MOBILE HOST IN A PROXY MOBILE IP COMMUNICATIONS NETWORK	ERICSSON	GB0720283	2007-10-17
17.	<input type="checkbox"/> METHOD AND DEVICE FOR PRODUCING FIXED-MOBILE CONVERGENT TELECOMMUNICATIONS SERVICES	DETECON INTERNATIONAL; DEUTSCHE TELEKOM	WO2008110294	2007-03-13
18.	<input type="checkbox"/> METHOD AND APPARATUS FOR PROVIDING CIRCUIT SWITCHED DOMAIN SERVICES OVER A PACKET SWITCHED NETWORK	ERICSSON	WO2008087521	2007-01-15
19.	<input type="checkbox"/> MOBILE SATELLITE SERVICE VIA 3GPP GENERIC RACH ACCESS NETWORK	ERICSSON	US2008167032	2007-01-05
20.	<input type="checkbox"/> MOBILE IP PROXY	ERICSSON	WO2008080420	2006-12-28

AB (WO2010151665)  
Metoder og systemer tillate mobile TV-sendinger tjenesteleverandører å bekrefte mottak av broadcast-sendinger til mobile enheter før vi fakturerer for slike tjenester. Når en forespørsel om en broadcast service er mottatt, kan en mobil TV-sendinger leverandøren oversende en første langsiktig dekrypteringsnøkkel melding med en begrenset tilgang for å aktivere visning av en sending for en begrenset tid. En ledetekst på mobile enheten kan be brukeren om å verifisere tilfredsstillende mottak av sendingen. Hvis brukeren angir tilfredsstillende mottak, kan en tilfredsstillende mottak bekreftelsesmelding bli sendt til den mobile TV-sendinger tjenesteleverandøren, som deretter kan sende en ny langsiktig dekrypteringsnøkkel melding slik at brukerens mobile enhet for å motta den valgte programmet. Brukerens konto kan da bli fakturert for kringkasting.

IN PETERSON TODD B  
PA QUALCOMM  
PAH (WO2010151665)  
(A1) QUALCOMM INC (US); PETERSON TODD B (US)  
(US20100333130)  
PETERSON TODD B; FROM 20090622 TO 20090622  
QUALCOMM; FROM 20090622  
PA0 QUALCOMM Incorporated; / ATTN: INTERNATIONAL IP ADMINISTRATION, 5775 Morehouse Drive, San Diego, California 92121 (US) (except US)  
PETERSON, Todd B.; / 5775 Morehouse Drive, San Diego, California 92121 (US) (only US)  
RP (WO2010151665)

Page 1 of 10 | Record 1 of 241 | Displaying records 1 - 25 of 241



Patent family

Publication number-номер патента

Патенты аналоги

(- патенты, выданные в разных государствах на одно и то же изобретение).

Inventor-изобретатель

Title and abstract-название ,реферат

The screenshot shows a patent database interface with the following elements:

- Navigation and Search:** Top bar with "Back to list", "Add to", "Export", "Translate", and "Compare".
- Patent Details:** Title "A METHOD AND AN APPARATUS FOR ACCESS CONTROL IN MOBILE COMMUNICATIONS SYSTEM". Inventor: VIKBERG JARI NYLANDER TOMAS NOREFORS ARNE. Assignee: ERICSSON.
- Abstract:** "The embodiments of the present invention relate to an apparatus and a method of controlling access of a UE (30, 40) in a wireless telecommunications system comprising a RAN that is adapted to communicate with the core network (34, 44). According to the method, a temporary identity of the UE (30, 40) attempting to access a femto RBS (31, 41) is associated with the core network and it is further determined if the temporary identity of the UE (30, 40) is associated with a permanent identity of the UE and at least the identity of the femto RBS. In case the temporary identity is associated with the permanent identity of the UE (30, 40) and with the identity of the femto RBS, the UE (30, 40) is authorized access, otherwise it is denied access."
- Classification:** [CL] T [N1002], [CL] T04 [N1002], [SC] T04L INDEXING SCHEME RELATING TO TRANSMISSION OF DIGITAL INFORMATION; Note This subclass constitutes an internal scheme for indexing only.
- Network Diagram:** A diagram showing "IP BASED TRANSMISSION" with components: 10 (UE), 11 (FEMTO RBS), 12A, 12B, 12C (UEs), 13 (MACRO RBS), 14 (IP network), 15 (UE), 16 (RNC), 17 (CN), 18 (UE), 19 (ACDB).

**Annotations:**

- Green arrows point from the Russian text to the corresponding fields in the patent record.
- Green boxes highlight "Patent Family", "Priority numbers", and "Classifications".
- Green arrows point from the Russian text to the "Patent Assignee" and "Original" labels.

## **Patent Family (Семейство патентов, патенты аналоги, родственные патенты)**

Когда автор изобретения или Патентный Поверенный, выступающий от имени автора или патентообладателя, подает заявку на изобретение (основное изобретение) в патентное ведомство страны, он одновременно, либо после получения национального патента может обратиться за выдачей патента в те страны, в которых он также хочет получить охрану своего изобретения. Совокупность этих патентных документов образует семейство «родственных охранных документов», которые получили устойчивое название патенты аналоги.

Патенты аналоги, или аналоги не очень удачное определение. Более удачным является английское название **Patent Family – семейство патентов.**

**Patent Family очень важное понятие, как для правовой охраны изобретения так и для определения стратегических рынков фирм.**

**Если при подачи заявки, либо получении патента, фирма указывает страны, куда она будет подавать заявки на изобретения, это явный сигнал, что у конкретной фирмы есть серьезные планы на развитие бизнеса в этих странах, т.е. выход на рынок данной страны (стран) является приоритетным.**

# Патентов аналогов может быть больше, как, например, для EP1406618

The screenshot displays the Orbit.com patent database interface. The main content is a table of patent publications for the patent family of EP1406618. The table has columns for 'Publ. number', 'Pub. date', 'App. number', 'Appl. date', and 'Publ. Stage'. A large black arrow points from the top right towards the 'App. number' column. To the right of the table is a chemical structure diagram of a pyridine derivative with various substituents labeled R, R<sup>1</sup>, R<sup>2</sup>, R<sup>3</sup>, and R<sup>4</sup>.

Publ. number	Pub. date	App. number	Appl. date	Publ. Stage
PCT WO03006016	20030123	2002WO-EP07323	20020703	A2 - International application published without international search report
CA2451566 A1	20030123	2002CA-2451566	20020703	A1 - Application laid open
PA8549901 A1	20030124	2001PA-0085499	20020705	A1 - Patent application
PE02382003 A1	20030319	2002PE-0061020	20020708	A1 - Patent application
UY27374 A1	20030331	2002UY-0027374	20020709	A1 - Patent application (First publication level)
US2003083345	20030501	2002US-0187587	20020702	A1 - First published patent application
PCT WO03006016	20030731			A3 - Later publication of ISR with revised front page
KR20040029362	20040406	2004KR-7000395	20040109	A - Publication of an application
EP1406618	20040414	2002EP-0764617	20020703	A2 - Application published without search report
MXPA04000278	20040504	2004MX-PA00278	20040109	A - Patent application
IL159350	20040601	2002IL-0159350	20020703	D0 - Patent application filed
BR0210893	20040622	2002BR-0010893	20020703	A - Patent application
HR20031071 A	20040630	2003HR-0001071	20031222	A2 - Patent application without search report
CN1523988 A	20040825	2002CN-0813542	20020703	A - Unexamined application for a patent for inv.
AR037008 A1	20041020	2002AR-0102546	20020708	A1 - Independent patent application
HU0401210 A2	20041028	2004HU-0001210	20020703	A2 - Patent appl. without search report
JP2004536119	20041202	2003JP-0511822	20020703	T - Unexam. pat appl. on foreign appl.
ZA200400138 A	20050408	2004ZA-0000138	20040108	A - Patent specification
RU2004102397	20050420	2004RU-0102397	20020703	A - Application for invention
PL369535 A1	20050502	2002PL-0369535	20020703	A1 - Application
AU2002328837	20050505	2002AU-0328837	20020703	B2 - Patent preceded by OPI
NZ530107 A	20060127	2002NZ-0530107	20020703	A - Patent application
EP1621195 A2	20060201	2005EP-0017203	20020703	A2 - Application published without search report
KR100589106	20060614			B1 - Patent specification

Chemical structure diagram (I) showing a pyridine ring substituted with R<sup>4</sup> at the 3-position and a benzene ring at the 2-position. The benzene ring is substituted with R and (R<sup>1</sup>)<sub>n</sub>. The pyridine ring is connected to a central carbon atom (C\*) via a bond X. The central carbon atom is also bonded to two R<sup>3</sup> groups and another benzene ring. This second benzene ring is substituted with (R<sup>2</sup>)<sub>n</sub> and R<sup>2</sup>.

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- US2011009113 A1

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## A METHOD AND AN APPARATUS FOR ACCESS CONTROL IN A MOBIL COMMUNICATIONS SYSTEM

**AB**  
(WO2009151372)  
The embodiments of the present invention relate to an apparatus and a method of controlling access of a UE (30, 40) in a wireless telecommunications system comprising a RAN that is adapted to communicate with the core network (34, 44). According to the method, a temporary identity of the UE (30, 40) attempting to accessing a femto RBS (31, 41) is acquired and it is further determined if the temporary identity of the UE (30, 40) is associated with a permanent identity of the UE and at least the identity of the femto RBS. In case the temporary identity is associated with the permanent identity of the UE (30, 40) and with the identity of the femto RBS, the UE (30, 40) is authorized access, otherwise it is denied access.

**IN** VIKBERG JARI NYLANDER TOMAS NOREFORS ARNE

**PA** ERICSSON

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NOREFORS, Arne; / Hantverkargatan 44, SE-112 21 Stockholm (SE) (only US)

**Published As**

Publ. number	Pub. date	Appl. number	Appl. date	Publ. Sta
PCT WO2009151372	20091217	2009WO-SE50248	20090310	A2 - Inter
PCT WO2009151372	20100520			A3 - Late
US2011009113	20110113	2009US-0921626	20090310	A1 - First

**PR**  
2008US-P060277 20080610  
2009US-0921626 20090310  
2009WO-SE50248 20090310

**OPD**  
(US2011009113)  
2010-09-09 (U.S.C. 371 National stage Date)

**PCL**  
455422100

**IC**  
H04W-012/00  
H04W-012/08  
H04W-040/00  
H04W-048/00  
H04W-048/02

**ICO**  
T04L-029/06S10A  
T04L-029/06S4A  
T04W-012/02  
T04W-084/04C2  
T04W-088/08

**ICAA**  
H04W-048/02 [2009-01 A L I B H EP]  
H04W-012/08 [2009-01 A L N B H EP]

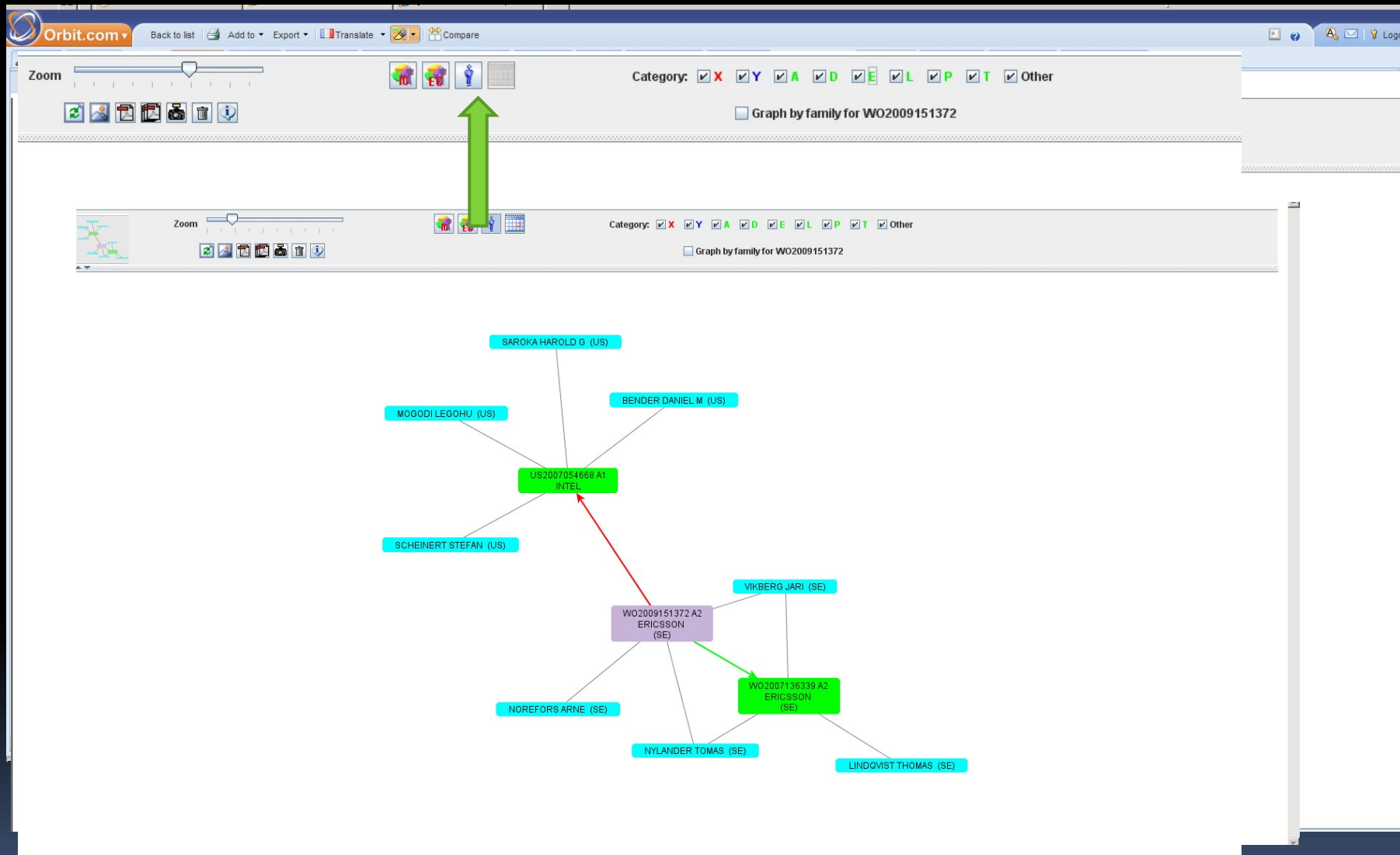
**ICCA**  
H04W-048/00 [2010 C L I B H EP]  
H04W-012/00 [2010 C L N B H EP]

Record 1 of 1

**WO2009151372 A2**



# Страница выбранного патента -WO2009151372 отчет о цитировании BIBLIO



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**DESC**  
(WO2009151372)  
A METHOD AND AN APPARATUS FOR ACCESS CONTROL IN A MOBL COMMUNICATIONS SYSTEM

**TECHNICAL FIELD**  
The present invention relates generally to the field of mobile or wireless communications network systems, and, more specifically, to a method and an apparatus for access control in a wireless communications system comprising femto radio base stations.

**BACKGROUND**  
Wireless access networks have become a key element of a variety of telecommunications network environments. As to enterprise network environments, they provide convenient wireless access to network resources for employees or customers carrying laptops and/or mobile handheld devices. In addition, wireless access points operable with diverse communication devices, such as laptops, mobile phones, etc., are broadly used in public environment such as e.g., hotels, train stations, airports, restaurants, schools, universities and homes, and are mostly used to offer high-speed internet access. The telecommunication industries and operators are currently investigating the possibility to further increase the coverage area offered by cellular communications network systems to home or small areas. Examples of cellular communication network system are: the Universal Mobile Telecommunication Systems (UMTS) network, also known as third generation (3G) cellular network system or wideband code division multiplexing access (WCDMA) network; the Global System for Mobile telecommunications (GSM) network; the General Packet Radio Service (GPRS) network that utilizes the infrastructure of a GSM system. Two further examples of cellular access networks are EDGE, EGPRS and LTE (long term evolution) which are further enhancements to GSM and GPRS and UMTS respectively. EDGE refers to enhanced Data rates for GSM Evolution, and EGPRS refers to Enhanced GPRS. According to such investigation, a limited number of users (e.g. a user equipment (UE)) may be provided with e.g. WCDMA or 3G coverage using a small radio base stations (RBS) also called a "femto RBS" that would be connected to a radio network controller (RNC) of the 3G network using some kind of internet protocol (IP) based transmission. The coverage area so provided is called a "femto cell" to indicate that the coverage area is relatively small compared with an area of a macro cell of a public land mobile network (PLMN). Other terminology for a femto RBS includes a "home RBS" and/or a "home 3G access point (H3GAP)" and/or a "home access point (HAP)" and/or a "home Node B (HNB)" and/or a home E-UTRAN Node B (HeNB). It should be mentioned that small cells known as picocells may serve small areas such as part of a building, a street corner or a airplane cabin and are usually smaller than microcells, which in turn is smaller than a macrocell. The picocells are traditionally provided as coverage or capacity extensions and do not include an access control mechanism. This means that all users that are allowed to access macrocells of a PLMN are also allowed to access microcells and picocells of the same PLMN. One alternative would be to use mobile broadband access e.g. some WiMax technologies or HSDPA and enhanced uplink also known as HSPA. Figure 1 illustrates an example of a WCDMA network 10 built with a traditional architecture including one or several RNCs 16 (or femto RNCs) and femto RBSs 11 working as H3GAP. However the RBS's and RNCs may as well be collapsed and form a single node in a so called flat architecture. As shown in Figure 1, the network 10 comprises a core network (CN) 17 connected to a RNC 16 that controls all radio base stations connected to it, i.e. macro RBS 13 and femto RBSs 11. It should be noted that the RNC 16 may comprise the functionalities of a femto RNC for controlling femto RBSs and the functionalities of a macro RNC for controlling a macro RBS. The macro RBS 13 serves a macro cell 18 whereas a femto RBS 11 serves a femto cell 12A (or 12B or 12C etc.). As illustrated, each femto RBS 11 serves its dedicated femto cell.

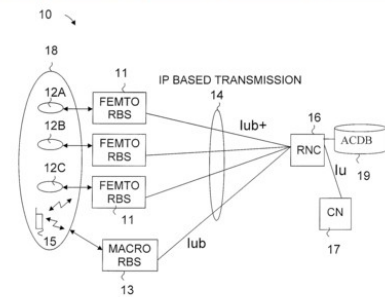
As well known in the art, a RBS is typically situated at an interior (e.g. centre) of the respective cell which the RBS serves, but for the sake of clarity, the macro RBS 13 and the femto RBSs 11 of Figure 1 are shown instead as being associated by double headed arrows to their respective cells. At least some of the femto cells 12A, 12B, 12C are geographically overlapped or overlapped by the macro cell 18.

A user equipment (UE) 15 communicates with one or more cells or one or more RBSs over a radio interface. The UE 15 can be a mobile phone (or "cellular phone"), a laptop with mobile termination and thus can be e.g. portable, pocket, handheld, computer-included, or car-mounted mobile device which can communicate voice and/or data with a radio access network. The UE 15 may further communicate with the radio access network via a femto RBS 11 through an internet protocol (IP) based transmission network 14 which, as described earlier, can be either broadband fixed IP based transmission (e.g. xDSL) or broadband mobile IP based transmission (e.g. WiMax or HSPA) or any other suitable IP based transmission.

In the wireless communications network system depicted in Figure 1, the interface between each femto RBS 11 and the RNC (or femto RNC) 16 can be called the extended lub interface "lub+" which is usually formed by an IP connection over the IP based transmission network 14. In some implementations, the lub+ resembles the lub interface between the macro RBS 13 and the RNC 16 (or macro RNC), but the lub+ interface is modified for conveying additional information such as the identity of the femto RBS 11 e.g. during the initial power-on procedure of the femto RBS 11. It should be mentioned that the lub interface is not necessarily IP based.

Also illustrated in Figure 1, the lu interface is used between the RNC 16 and the CN 17. Note that in a flat architecture there would not necessarily exist any lub+ interface because, as described above, in such flat architecture the RBS and the RNC can form a single node.

In order to limit the users of UEs 15 of e.g. femto cell 12C to the ones that are allowed, an access control feature can be implemented in the system. This way, at any UE attempt to camp on the femto cell, it is checked if the user is an allowed user. The international subscriber mobile identity (MSI) of allowed users (or UEs) per femto RBS are stored in a database 19, known as an access control database (ACDB), to which the stand-alone or integrated RNC has access. Since femto cells are generally meant to serve a limited number or subset of end users, it is very important that the end user that has purchased the femto RBS gets access and is not denied access because the number of allowed users is already met by other unauthorized users. In other words, access control is important.





# Страница выбранного патента -WO2009151372 Key content

Семантический анализ текстов, представляет в кратком виде суть и формулу изобретения, преимущества данного технического решения и недостатки предыдущих решений

The screenshot displays a web browser window with the Orbit.com interface. The main content area is divided into two sections: text on the left and a diagram on the right. A red arrow points from the text to the diagram.

**Text Content:**

**OBJ (WO2009151372)**  
The present invention relates generally to the field of mobile or wireless communications network systems, and, more specifically, to a method and an apparatus for access control in a wireless communications system comprising femto radio base stations.  
According to a first aspect of embodiments of the present invention, the stated problem is solved by means of a method of controlling access of a UE in a wireless telecommunications system comprising a radio access network (RAN) that is adapted to communicate with a core network (CN).  
According to a second aspect of embodiments of the present invention, the above stated problem is solved by means of an apparatus for controlling access of UE in a wireless telecommunications system comprising a RAN that is adapted to communicate with a CN. The apparatus is adapted to: acquire a query comprising a temporary identity of the UE, for controlling whether the UE is authorized to access to the system through a femto RBS.

**ABB (WO2009151372)**  
An advantage with the embodiments of the present invention is to achieve increased security when a UE attempts to access a network or system or a base station. Another advantage with the embodiments of the present invention is to keep to a minimum the signalling and processing load in the core network. Yet another advantage with the embodiments of the present invention is that no functional changes are needed in the UEs.  
According to such investigation, a limited number of users (e.g. a user equipment (UE)) may be provided with e.g.

**ICLM (WO2009151372)**  
1. A method of controlling access of a user equipment, UE, (30, 40) in a wireless telecommunications system comprising a radio access network, RAN, that is adapted to communicate with a core network, CN, (34, 44) the method comprising the steps of: - acquiring (801) a query comprising a temporary identity of the UE (30, 40), for controlling whether the UE (30, 40) is authorized to access to the system through a femto radio base station, femto RBS (31, 41); - determining (802) whether the temporary identity of the UE (30, 40) is associated with at least a permanent identity of the UE (30, 40) and further associated with an identity of the femto RBS (31, 41); and - authorizing (803) the UE (30, 40) to access the system when the temporary identity of the UE (30, 40) is associated with said at least the permanent identity of the UE (30, 40) and with the identity of the femto RBS (31, 41); otherwise denying access to the UE (30, 40).  
1.1. An apparatus (32, 42, 33, 71) for controlling access of a user equipment, UE, (30, 40) in a wireless telecommunications system comprising a radio access network, RAN, that is adapted to communicate with a core network, CN, (34, 44) the apparatus is adapted to: - acquire a query comprising a temporary identity of the UE (30, 40), for controlling whether the UE (30, 40), is authorized to access to the system through a femto radio base station, femto RBS (31, 41); - determine whether the temporary identity of the UE (30, 40) is associated with at least a permanent identity of the UE (30, 40) and further associated with an identity of the femto RBS (31, 41); and - authorize the UE (30, 40) to access the system when the temporary identity of the UE (30, 40) is associated with said at least the permanent identity of the UE (30, 40) and with the identity of the femto RBS (31, 41); otherwise the apparatus (32, 42, 33, 71) is adapted to deny access to the UE (30, 40).  
(30, 40) comprising the temporary identity of the UE (30, 40) previously allocated by the CN (34, 44) to the UE (30, 40).

**Diagram:**  
The diagram, labeled 'IP BASED TRANSMISSION', shows a network architecture. On the left, a group of femto radio base stations (FEMTO RBS) labeled 11 includes sub-units 12A, 12B, and 12C. A macro radio base station (MACRO RBS) labeled 13 is also shown. A user equipment (UE) labeled 15 is connected to the femto RBS. These base stations are connected to a radio network controller (RNC) labeled 14 via interfaces labeled 'lub+' and 'lub'. The RNC is connected to a core network (CN) labeled 17 via an interface labeled 'lu'. The core network includes an access control database (ACDB) labeled 16 and a network element labeled 19. The entire system is enclosed in a dashed oval labeled 10.

# Страница выбранного патента -WO2009151372 concept

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BASE STATION | CACHE MEMORY | COMBINED RNC | CORE NETWORK | DENYING ACCESS | DOMAIN AUTHORIZED UE | FEMTO ACDB  
FUNCTIONALITY | FEMTO BASE | **FEMTO RBS IDENTITY** | FEMTO RBSS | FEMTO-RBS ID | INVESTIGATION | LIST UPDATE |  
QUERY | RADIO ACCESS NETWORK | RADIO NETWORK CONTROLLER | REGISTRATION AREA IDENTITY | STATED PROBLEM | **TEMPORARY**  
IDENTITY LIST | UE ACCESS | UE ATTEMPT | UE CONTROLLING ACCESS | **UE PERMANENT IDENTITY** | **UE**  
**TEMPORARY IDENTITY** | USER EQUIPMENT ACCESS | WIRELESS TELECOMMUNICATION SYSTEM |

The diagram illustrates a network architecture. On the left, a group of femto base stations (12A, 12B, 12C) and one macro base station (15) are enclosed in a dashed oval labeled 18. Each femto base station (12A, 12B, 12C) is connected to a central Radio Network Controller (RNC) labeled 16. The macro base station (15) is also connected to the RNC (16). The RNC (16) is connected to a Core Network (CN) labeled 17. A label 'IP BASED TRANSMISSION' is positioned above the RNC (16). A label 'lub+' is placed between the femto base stations and the RNC, and a label 'lub' is placed between the macro base station and the RNC. A label 'ACDB' is located near the RNC (16). A label '14' is placed near the RNC (16). A label '11' is placed near the femto base stations. A label '13' is placed near the macro base station. A label '19' is placed near the Core Network (CN).

# Страница выбранного патента - WO2009151372 fulltext (text format)

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- US2011009113 A1

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adapted to communicate with a core network, CN, (34, 44) the method comprising the steps of:

- acquiring (801) a query comprising a temporary identity of the UE (30, 40), for controlling whether the UE (30, 40) is authorized to access to the system through a femto radio base station, femto RBS (31, 41);
- determining (802) whether the temporary identity of the UE (30, 40) is associated with at least a permanent identity of the UE (30, 40) and further associated with an identity of the femto RBS (31, 41); and - authorizing (803) the UE (30, 40) to access the system when the temporary identity of the UE (30, 40) is associated with said at least the permanent identity of the UE (30, 40) and with the identity of the femto RBS (31, 41); otherwise denying access to the UE (30, 40).

2. The method according to claim 1, wherein the method comprises acquiring said query at a radio network controller, RNC, part (32, 42) in the RAN as soon as the RNC (32, 42) receives a radio resource control, RRC, connection request message from the UE (30, 40) comprising the temporary identity of the UE (30, 40) previously allocated by the CN (34, 44) to the UE (30, 40).

3. The method according to claim 1, wherein the method comprises acquiring said query at the RNC part (32, 42) when the RNC receives a non access stratum, NAS, message from the UE (30, 40) comprising the temporary identity of the UE (30, 40) previously allocated by the CN (34, 44) to the UE (30, 40).

4. The method according to anyone of claims 1-3 further comprising the step of maintaining, for each authorized UE (30, 40), an association list comprising an identity number of femto RBS (31, 41) through which the UE (30, 40) is authorized to access the system; a permanent identity of the UE (30, 40) and a list of temporary identities; said list of temporary identities comprises the temporary identity of the UE (30, 40) previously allocated by the CN (34, 44) to the UE (30, 40) and a type of domain said authorized UE (30, 40) is accessing.

5. The method according to claim 4, wherein the method further comprises maintaining in said list of temporary identities, a registration area identity for every temporary identity included in the list, said registration area identity is dependent on said type of domain the authorized UE (30, 40) is accessing.

6. The method according to claim 4 or claim 5 further comprising the step of receiving from the CN (34, 44) an update of the list of temporary identities each time a new temporary identity is allocated by the CN (34, 44) to the UE (30, 40).

7. The method according to claim 6 further comprising the step of identifying each femto RBS (31, 41) that said UE (30, 40) is allowed to access and sending an update of said list of temporary identities to each RNC (32, 42) that controls the femto RBS (31, 41) the UE (30, 40) is allowed to access.

8. The method according to claim 6 further comprising the step of identifying each femto RBS (31, 41) said UE (30, 40) is allowed to access and sending an update of said list of temporary identities to each combined RNC/RBS (71) the UE is allowed to access.

9. The method according to anyone of preceding claims, wherein the method further comprises temporary storing, in a cache memory said temporary identities for each UE (30, 40) that is allowed to access the femto RBS (31, 41) and/or the combined RNC/RBS (71).

10. The method according to anyone of claims 2-9 wherein the step of determining comprises triggering the access control towards a database (33, 43) that is associated with the RNC part (32, 42) in the RAN, in order to determine whether the temporary identity of the UE(30, 40) is associated with at least a permanent identity of the UE (30, 40) and further associated with an identity of the femto RBS (31, 41).

1. An apparatus (32, 42, 33, 71) for controlling access of a user equipment, UE, (30, 40) in a wireless telecommunications system comprising a radio access network, RAN, that is adapted to communicate with a core network, CN, (34, 44) the apparatus is adapted to:

- acquire a query comprising a temporary identity of the UE (30, 40), for controlling whether the UE (30, 40), is authorized to access to the system through a femto radio base station, femto RBS (31, 41);
- determine whether the temporary identity of the UE (30, 40) is associated with at least a permanent identity of the UE (30, 40) and further associated with an identity of the femto RBS (31, 41); and
- authorize the UE (30, 40) to access the system when the temporary identity of the UE (30, 40) is associated with said at least the permanent identity of the UE (30, 40) and with the identity of the femto RBS (31, 41); otherwise the apparatus (32, 42, 33, 71) is adapted to deny access to the UE (30, 40).

12. The apparatus (32, 42, 33, 71) according to claim 11, where the apparatus is adapted to acquire said query at a radio network controller, RNC, part in the RAN as soon as the RNC receives a radio resource control, RRC, connection request message from the UE (30, 40) comprising the temporary identity of the UE (30, 40) previously allocated by the CN (34, 44) to the UE (30, 40).

13. The apparatus (32, 42, 33, 71) according to claim 11, where the apparatus is adapted to receive the query at the RNC part when the RNC receives a non access stratum, NAS, message from the UE comprising the temporary identity of the UE previously allocated by the CN to the UE.

14. The apparatus (32, 42, 33, 71) according to anyone of claims 11-13 is further adapted to maintain, for each authorized UE (30, 40), an association list comprising an identity number of a femto RBS through which the UE (30, 40) is authorized to access the system; a permanent identity of the UE (30, 40) and a list of temporary identities; said list of temporary identities comprises the temporary identity of the UE (30, 40) previously allocated by the CN (34, 44) to the UE (30, 40) and a type of domain said authorized UE (30, 40) is accessing.

15. The apparatus (32, 42, 33, 71) according to claim 14, where the apparatus is adapted to maintain in said list of temporary identities, a registration area identity for every temporary identity included in the list, said registration area identity is dependent on said type of domain the authorized UE (30, 40) is accessing.

16. The apparatus (32, 42, 33, 71) according to claim 14 or claim 15 is further adapted to receive from the CN (34, 44) an update of the list of temporary identities each time a new temporary identity is allocated by the CN (34, 44) to the UE (30, 40).

17. The apparatus (32, 42, 33, 71) according to claim 16 is further adapted to identify each femto RBS (31, 32) where the UE (30, 40) is allowed to access and to send an update of the list of temporary identities to each RNC that controls the femto RBS where the UE (30, 40) is allowed access.

18. The apparatus (32, 42, 33, 71) according to claim 16 is further adapted to identify each femto RBS (31, 41) where said UE (30, 40) is allowed to access and to send an update of said list of temporary identities to each combined RNC/RBS the UE (30, 40) is allowed to access.

10

18

11

12A

12B

12C

11

13

14

16

19

17

IP BASED TRANSMISSION

lub+

lu

ACDB

CN

MACRO RBS

# Страница выбранного патента -WO2009151372 Legal Status-юридический

**Статус.** Информация о статусе патента, т.е. является ли он действующим или нет, переуступлены ли права на изобретение, отказано ли в регистрации патентному документу в той или иной стране, проводилась ли экспертиза изобретения, любые изменения связанные с модификацией классификационных рубрик и т.п

Date	Code	Action
		Alive: WO2009151372 A2, WO2009151372 A3
20090310	WO/A1 [EXM,POS]	FILING DETAILS WOSE2009050248 20090310 [2009/WO-SE50248]
20091217	WO/A2 [EXM,POS]	International application published without international search report WO2009151372 A2 20091217 [WO2009151372]
20100210	WO/121 [ENP]	EP: THE EPO HAS BEEN INFORMED BY WIPO THAT EP WAS DESIGNATED IN THIS APPLICATIONCorresponding Appl: EP 09762741 [2009EP-0762741]
20100520	WO/A3 [EXM,POS]	Later publication of ISR with revised front page WO2009151372 A3 20100520 [WO2009151372]
		Legal Status N/A

NIF- Not in force, lapses, expiries, refusals, withdrawals, revocations, suspensions & other similar events that negatively affect the applicant's claim for protection.

PIF- Payment of fees, In force

COR - Corrections, amendments, modifications

RES- Restitution, reinstatements and restorations: in-force

OPP- Opposition, Re-examination

ADM- Administrative actions, official notifications, miscellaneous office actions, errata

NMC- Name change applicants, owners, inventors; others: opponents, requestors

SPC- Actions concerning complementary or supplementary certificates of protection.

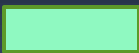


EXM- Examination requests, examination procedures and processes, search reports

LIC- Rights related to Licensing and exploitation

RGR- Registrations, Grants, In force

ENP- Entry into national phase, translations (EP, PCT)

RLW- Refusals, Lapses, expiries, withdrawals from national offices (EP)

-  Positive actions
-  Negative actions
-  Neutral actions



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Country	Country code	Coverage	Country	Country code	Coverage
WIPO	WO	1978	Hungary	HU	1990
EPO	EP	1978	Ireland	IE	1993
EAPO	EA	1996	Israel	IL	1996
United States	US	1968	Italia	IT	1989
Germany	DE	1978	Lithuania	LT	1995
Former East Germany	DD	1992	Moldova (Rep. of)	MD	1994
Australia	AU	2000	Monaco	MC	1972
Austria	AT	1975	Norway	NO	2001
Belgium	BE	1984	New Zealand	NZ	2001
Brazil	BR	1995	Netherlands	NL	1973
Canada	CA	1993	Portugal	PT	1991
Chile	CL	1990	United Kingdom	GB	1968
Denmark	DK	1982	Russia (Federation of)	RU	2009
Spain	ES	1992	Sweden	SE	1995
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Finland	FI	1993	Switzerland	CH	1958
France	FR	1969	Taiwan	TW	2000
Hong Kong	HK	2004	Czech (Rep. of)	CZ	2000

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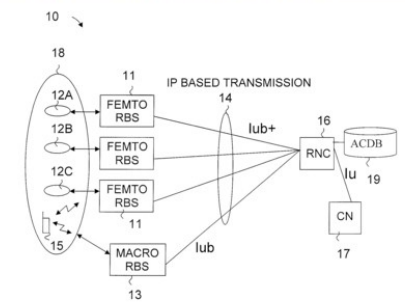
## A METHOD AND AN APPARATUS FOR ACCESS CONTROL IN A MOBIL COMMUNICATIONS SYSTEM

**Published As**

Publ. number	Pub. date	Appl. number	Appl. date	Publ. Stage	Links
PCT WO2009151372	20091217	2009WO-SE50248	20090310	A2 - International application published without international search report	  
PCT WO2009151372	20100520			A3 - Later publication of ISR with revised front page	  
US2011009113	20110113	2009US-0921626	20090310	A1 - First published patent application	  

**Cited Patents**

Publ. number	Pub. date	Original or current assignee	Cat.	#	Links
<b>Title: Access control in a mobile communication system</b>					
PCT WO2007136339	20071129	ERICSSON	D, X	1	  
<b>Document type</b> A2 - International application published without international search report					
<b>Appl. number</b> 2007WO-SE50317					
<b>Appl. date</b> 20070508					
<b>Title: Private base station with exclusivity</b>					
US2007054666	20070308	INTEL	X	1	  
<b>Document type</b> A1 - First published patent application					
<b>Appl. number</b> 2004US-0016342					
<b>Appl. date</b> 20041217					
<b>No citing patent</b>					



The diagram illustrates an IP-based transmission system. On the left, a mobile device (10) is connected to three FEMTO RBS (12A, 12B, 12C) and one MACRO RBS (15). These RBS are connected to a central IP-based transmission block (14). The transmission block (14) is connected to an RNC (16) and a CN (17). The RNC (16) is also connected to an ACDB (19). The diagram shows the flow of data between these components, with labels 'lub+' and 'lub' indicating the transmission paths.

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**Appl.** A method and an apparatus for access control in a mobil communications system

	09	10	11
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US2011009113			

Applied  
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  Granted, Extended  
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  Expired, Revoked, Lapsed  
  Abandoned, Withdraw, Cancelled

**Appl.** **Methods and system for utility network outage detection**

	09	10	11
<b>Published As</b>			
US2009270067			
WO2009134800			
FI20106245			
KR20110008299			

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App. A method and an apparatus for access control in a

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### WO2009151372 A2

The drawings illustrate various aspects of the access control system:

- FIG. 1:** A network diagram showing a central server (10) connected to multiple user devices (20, 30, 40, 50, 60, 70, 80, 90, 100).
- FIG. 2:** A sequence diagram showing the interaction between a user device (20) and a server (10) for authentication and access control.
- FIG. 3:** A sequence diagram showing the interaction between a user device (20) and a server (10) for session management.
- FIG. 4:** A sequence diagram showing the interaction between a user device (20) and a server (10) for resource access.
- FIG. 5:** A sequence diagram showing the interaction between a user device (20) and a server (10) for policy enforcement.
- FIG. 6:** A sequence diagram showing the interaction between a user device (20) and a server (10) for session termination.

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  Rejected, Invalid  
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**(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)**

**(19) World Intellectual Property Organization**  
International Bureau

**(43) International Publication Date**  
17 December 2009 (17.12.2009)

**(10) International Publication Number**  
**WO 2009/151372 A2**

**(51) International Patent Classification:**  
H04W 12/08 (2009.01)

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10 March 2009 (10.03.2009)

**(25) Filing Language:** English

**(26) Publication Language:** English

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61/060,277 10 June 2008 (10.06.2008) US

**(71) Applicant (for all designated States except US):** TELEFONAKTIEBOLAGET L M ERICSSON (PUBL) [SE/SE]; S-164 83 Stockholm (SE).

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**(74) Agent:** NILSSON, Charlotte; Ericsson AB, Patent Unit 3G, S-164 80 Stockholm (SE).

**(81) Designated States (unless otherwise indicated, for every kind of national protection available):** AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

**(84) Designated States (unless otherwise indicated, for every kind of regional protection available):** ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

**Declarations under Rule 4.17:**

- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))
- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))

[Continued on next page]

**(54) Title:** A METHOD AND AN APPARATUS FOR ACCESS CONTROL IN A MOBIL COMMUNICATIONS SYSTEM

**(57) Abstract:** The embodiments of the

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2.	SYSTEM AND METHOD FOR LOCALLY INTELLIGENT AND ADAPTIVE DIALING OF TELEPHONE AND OTHER NETWORK ACCESS NUMBERS	SIEMENS; SIEMENS INFORMATION & COMMUNICATIONS NETWORKS	WO9951008
3.	SYSTEM AND METHOD FOR THE AUTOMATIC PRE-PENDING OF DIGITS IN A WIRELESS COMMUNICATION DEVICE	QUALCOMM	WO9948266
4.	SYSTEM AND METHOD FOR USE OF FEATURE CODES IN A WIRELESS COMMUNICATION DEVICE	QUALCOMM	WO9946911
5.	CALL DISCONNECT SERVICES	ALCATEL LUCENT	WO2010012305
6.	METHOD AND APPARATUS FOR IMPROVED CALLING IN A MOBILE COMMUNICATION TERMINAL	SAMSUNG ELECTRONICS	US2007060115
7.	VOIDING CALLS TO SIGNAL SUPPLEMENTARY SERVICES	KAHN ARI	WO2007141762
8.	Cellular communications device	DATAFLEX DESIGN COMM; DATAFLEX DESIGN COMMUNICATIONS	GB0012691
9.	METHODS AND SYSTEMS FOR BILLING COMMUNICATION	KAHN ARI	WO2011020121
10.	Apparatus and method to determine dialing prefixes for call origination to a telephone number	QUALCOMM	US2002077090
11.	Method for automatic direct calling of an electronic voice recorder in a telecommunications network and method for creating a direct dial number for an electronic voice recorder in a telecommunications network	DEUTSCHE TELEKOM	EP1924065
12.	METHODS AND SYSTEMS FOR TRIGGERLESS MOBILE GROUP DIALING	TEKELEC	US2005113095
13.	A PORTABLE DEVICE	NOKIA; NOKIA MOBILE PHONES	GB9923960
14.	A PORTABLE TELECOMMUNICATION DEVICE	NOKIA; NOKIA MOBILE PHONES	GB9923924
15.	ASSOCIATING DIAL NUMBERS WITH CALL ORIGATION SCHEMES	QUALCOMM	WO200126402

TELEPHONE OR TELEPHONE UNIT

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## SYSTEM AND METHOD FOR MODIFYING CALLER BEHAVIOR

**AB**  
(WO2009134800)  
A method for modified dialing behavior includes capturing a dialing stream in a virtual input buffer, comparing the dialing stream of the calling party to a history of dialing streams stored in a database, analyzing the history of dialing streams to determine a desired dialing behavior of the calling party, and passing a modified dialing stream to a mobile operating system based on the determined desired dialing behavior of a calling party.

**FT**  
SYSTÈME ET PROCÉDÉ POUR MODIFIER UN COMPORTEMENT D'APPELANT

**OTI**  
(F201006245)  
System och förfarande för förändring av en telefonerares uppringande  
(A) 콜링 행동 수정 방법 및 시스템

**PA**  
CORTXT  
STARScriBER

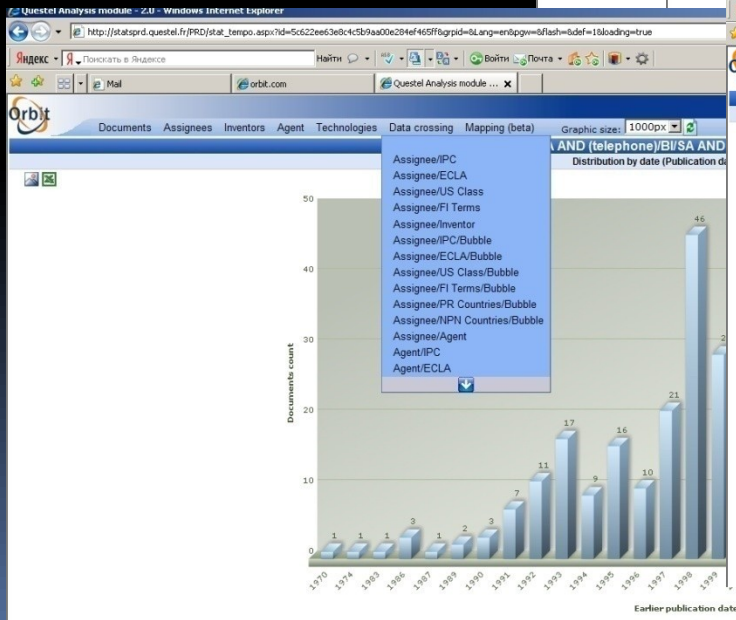
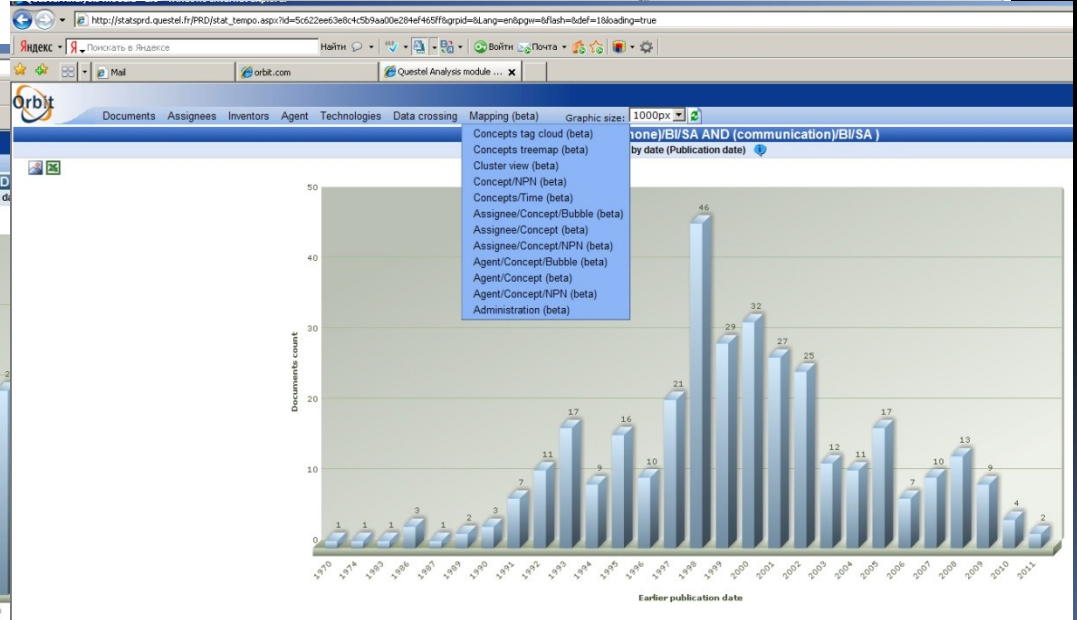
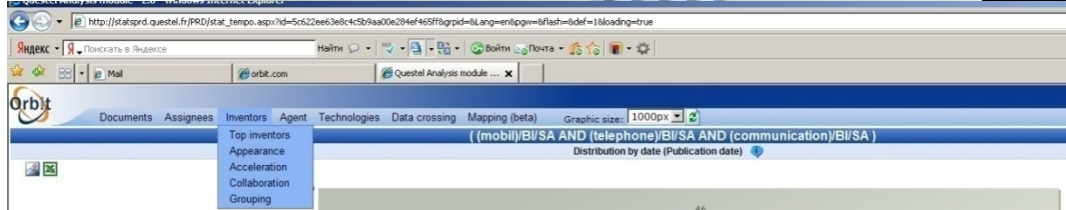
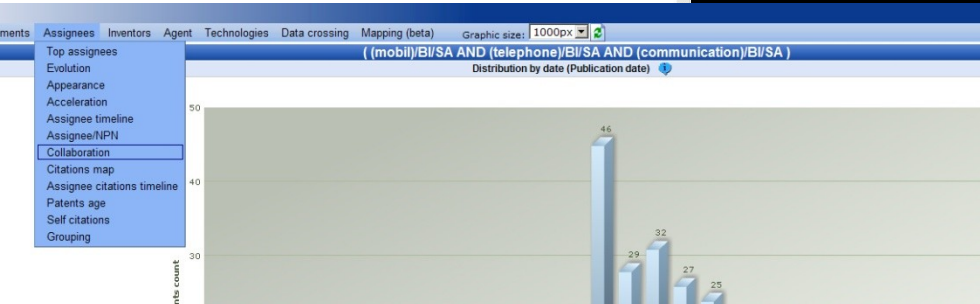
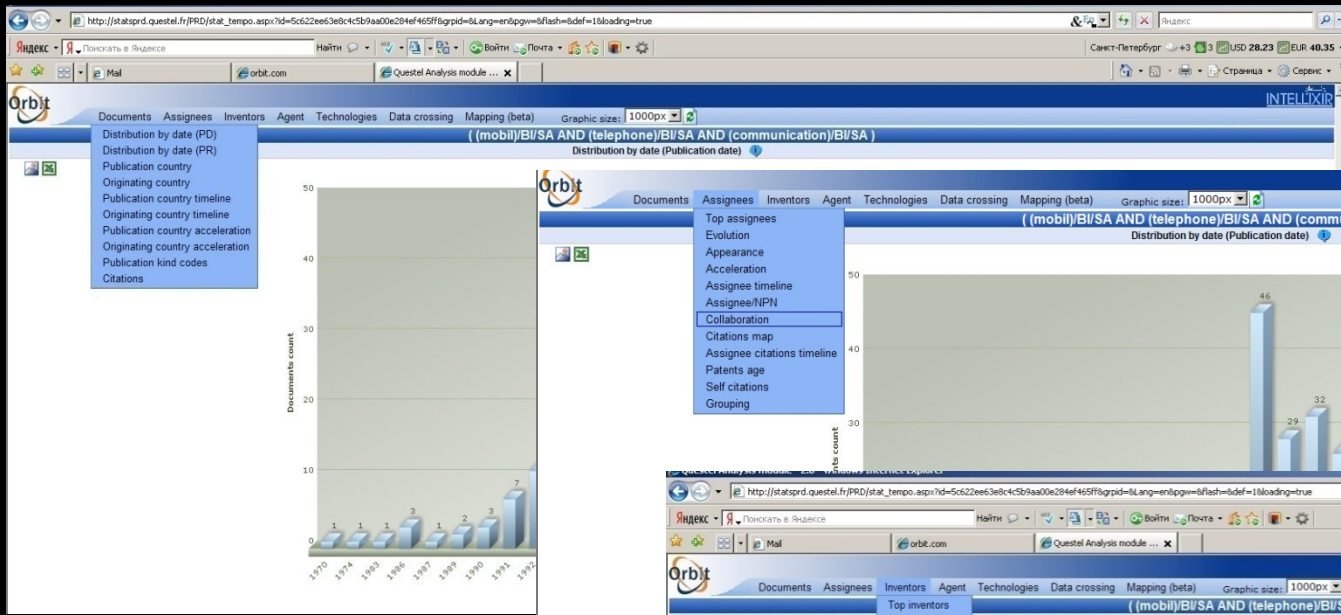
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CORTXT, Inc.; / 6535 Camino Stella, San Diego, CA 92130 (US) (except US)  
JOHNSON, Roderick, Michael; / 7409 E. Bent Tree Drive, Scottsdale, AZ 85266 (US) (only US)

**Published As**

Publ. number	Pub. date	Publ. Stage	Links
US2009270067	20091029	A1 - First published patent application	
PCT WO2009134800	20091105	A1 - International publication with international search report	
FI20106245	20101125	A - Unex. applic. open to publ. inspect.	
KR20110008299	20110126	A - Official gazette of the unexamined patents	

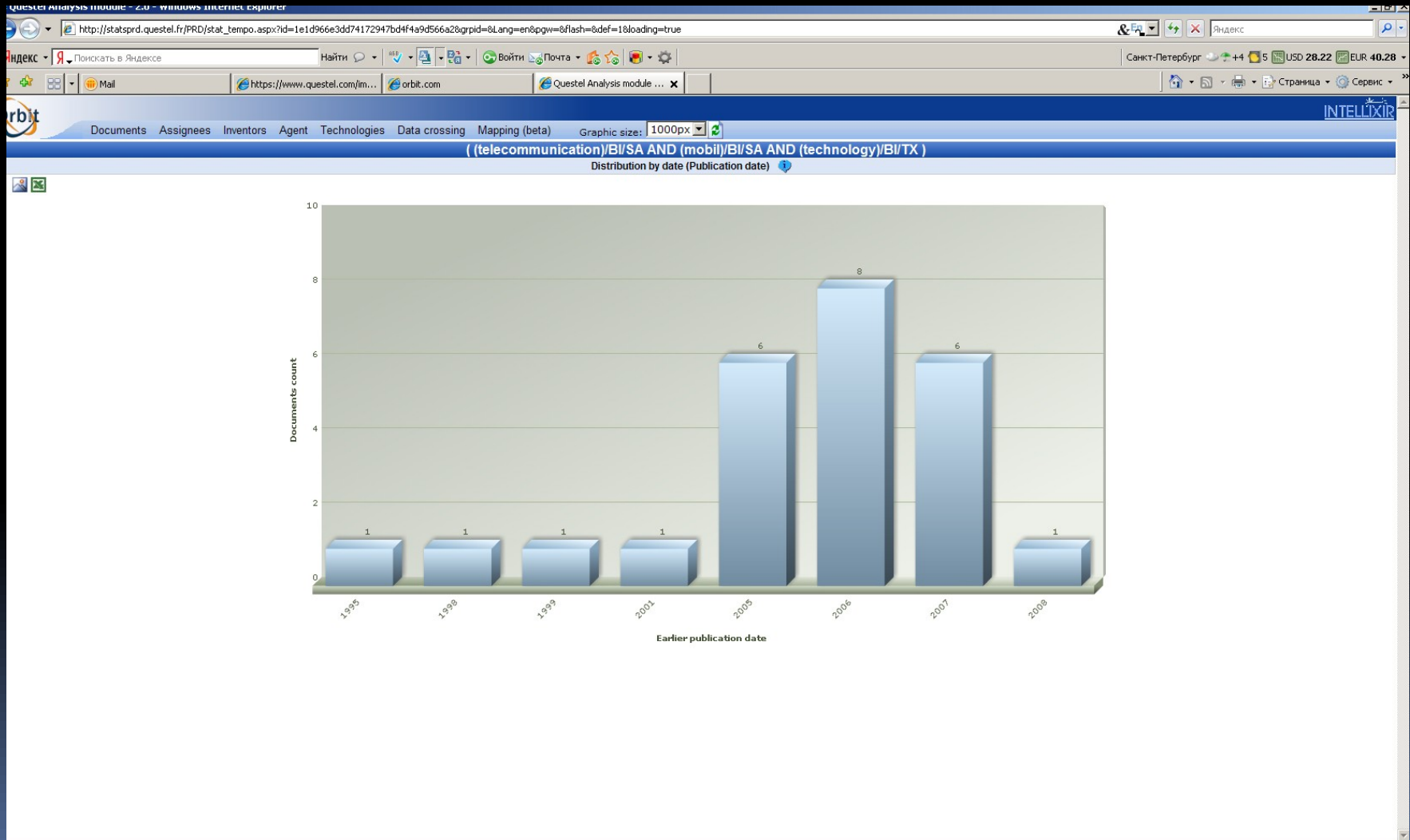
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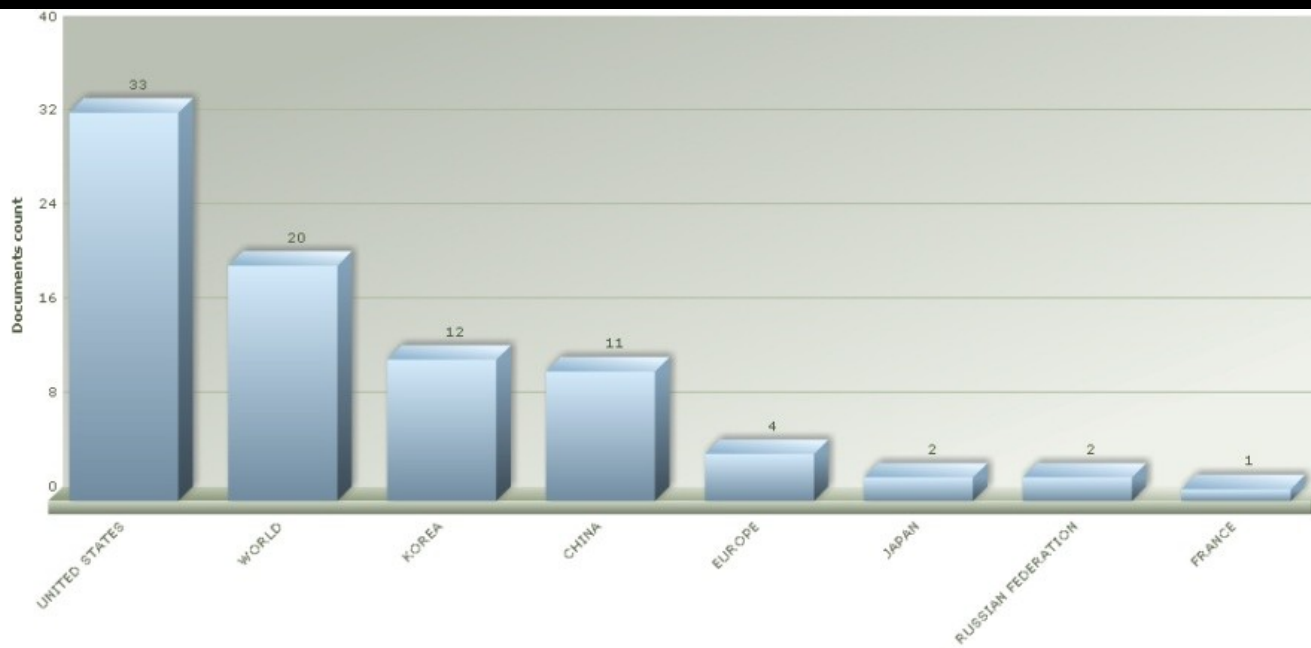


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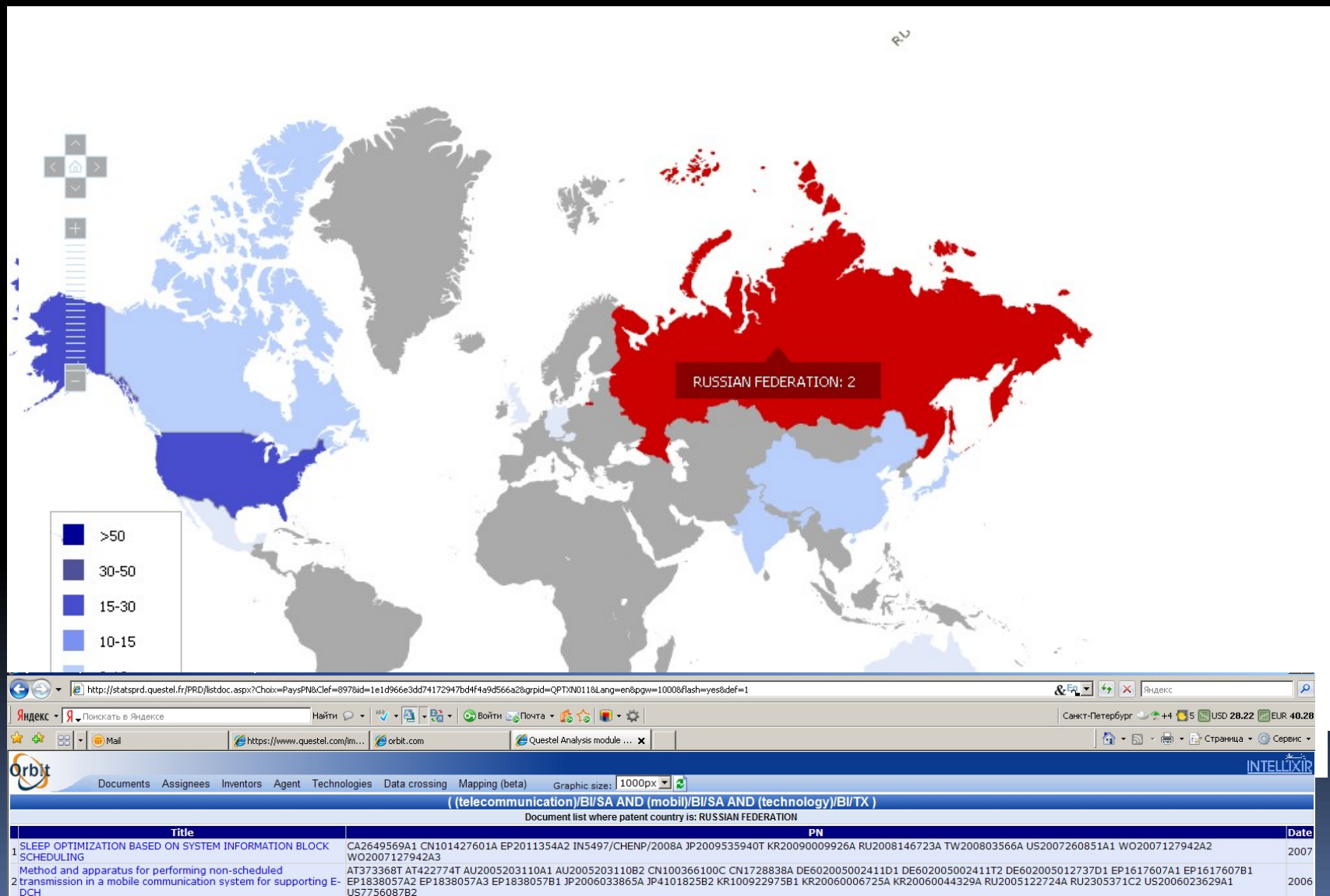
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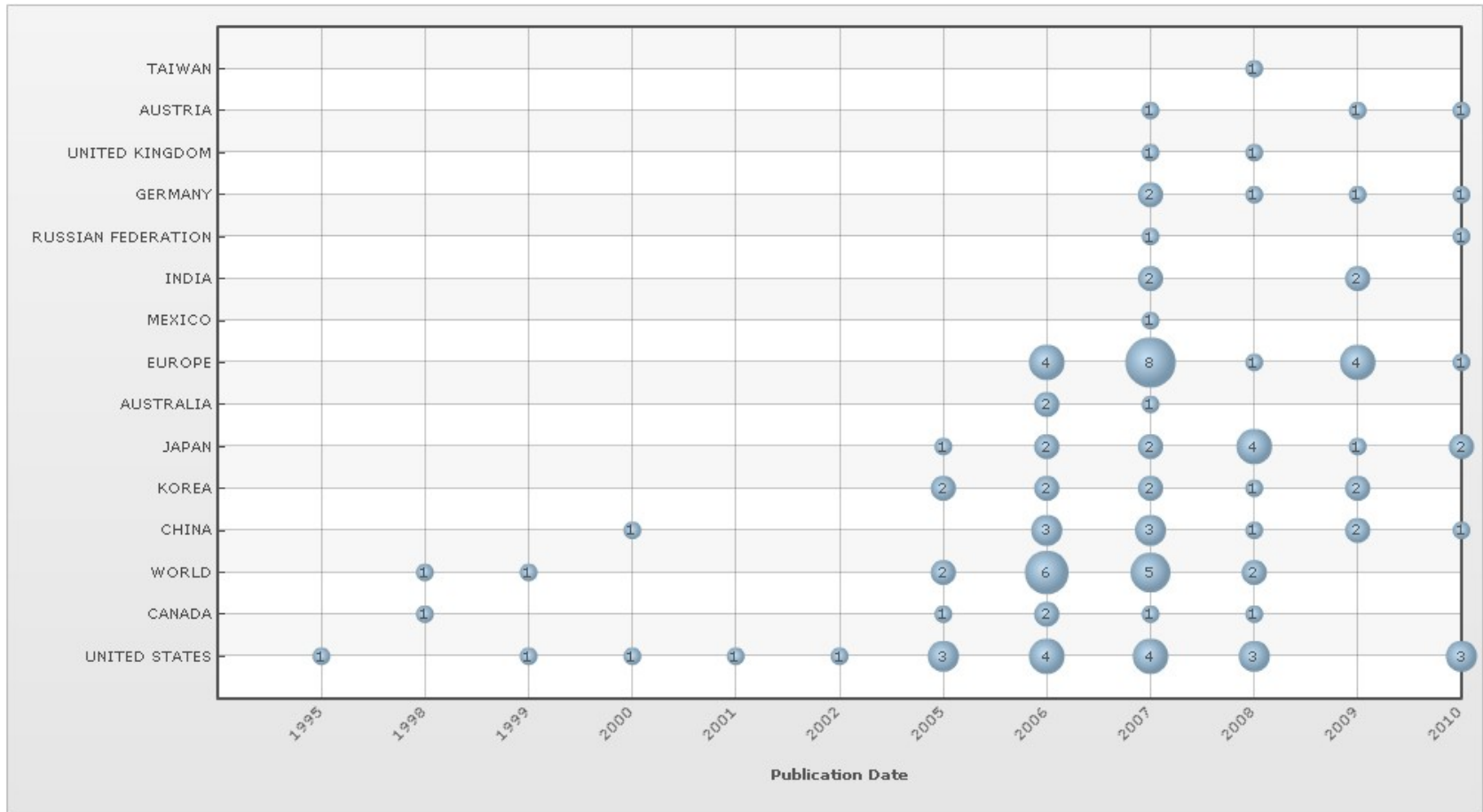
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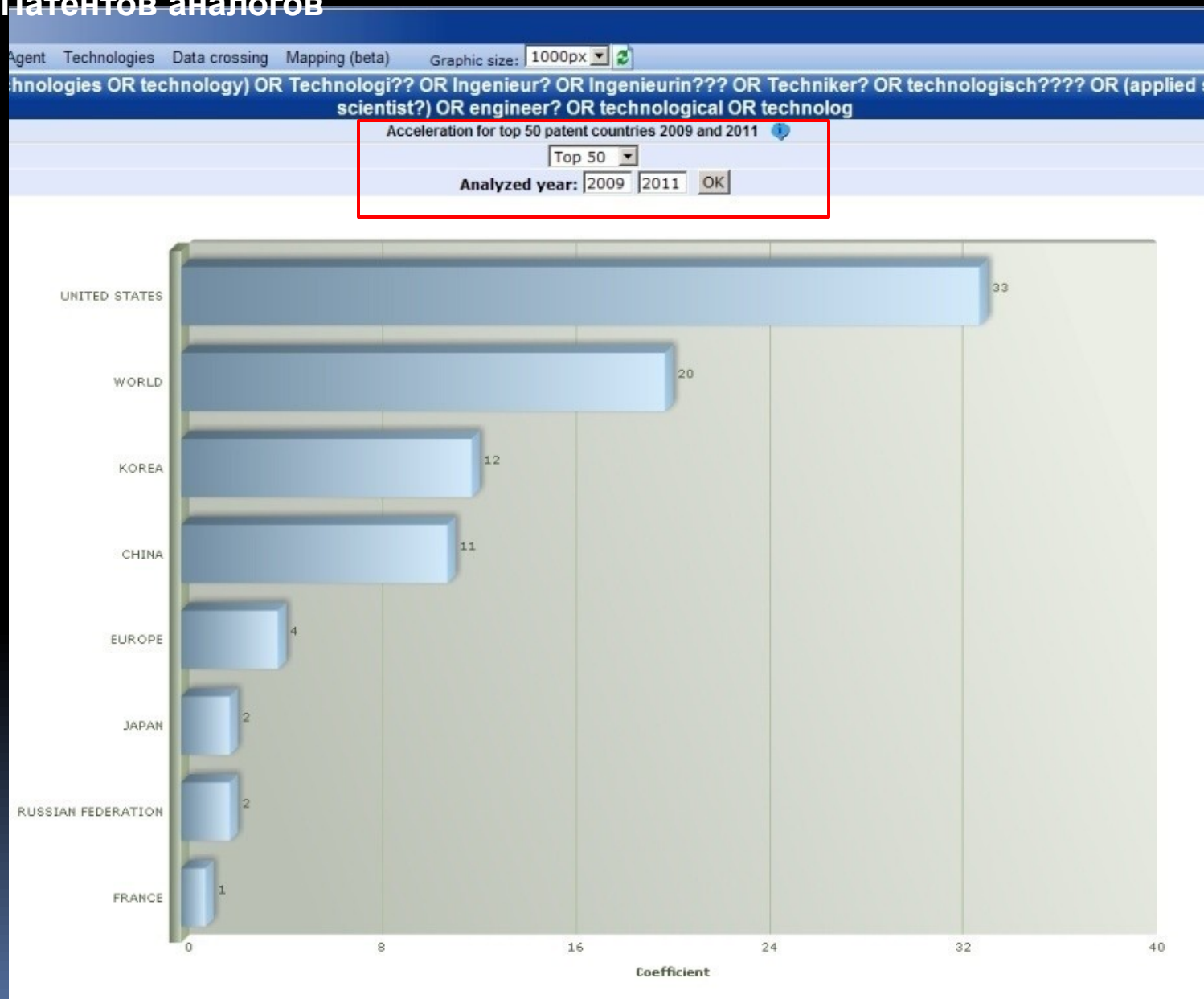
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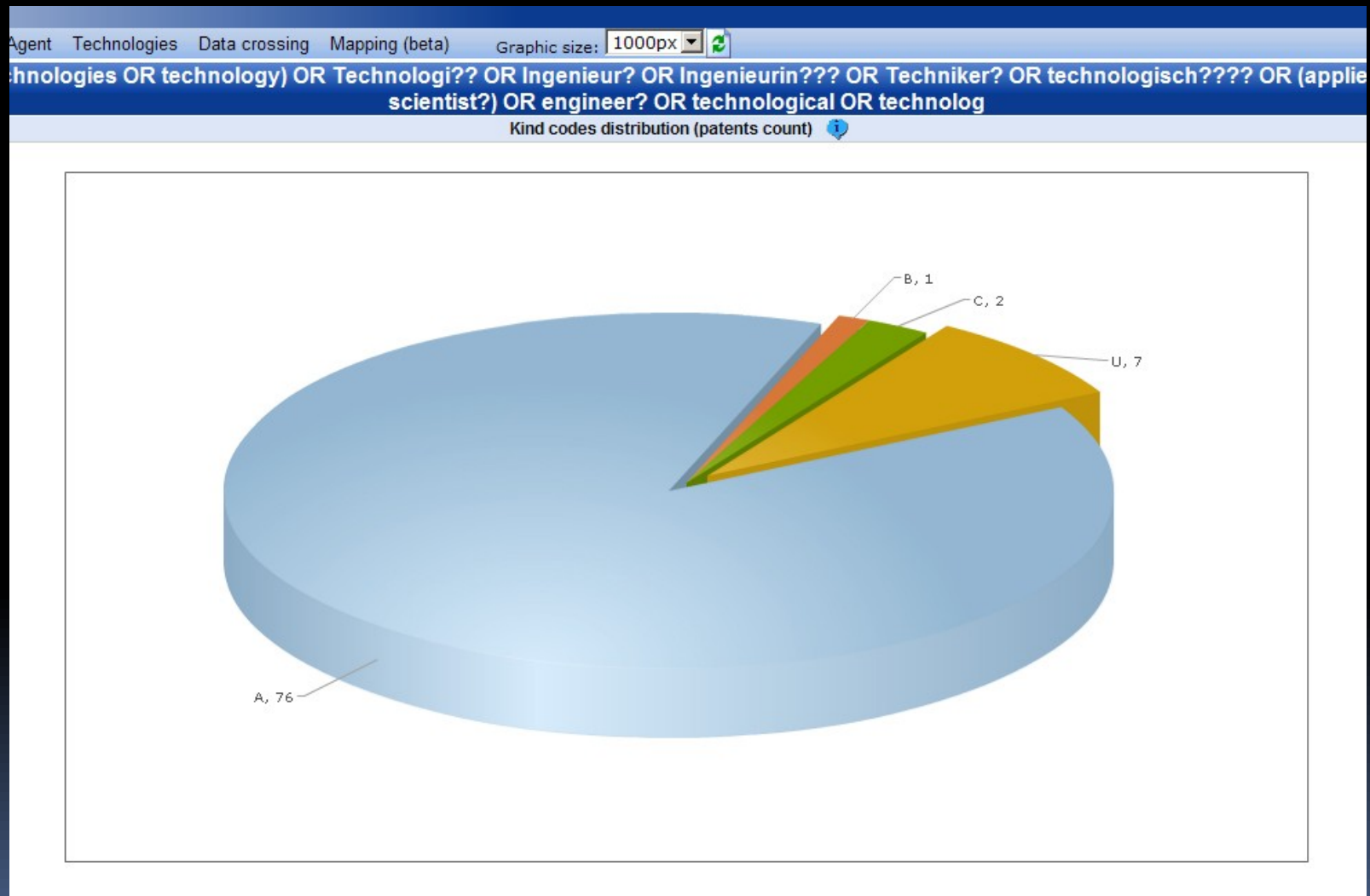


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# Publication kind codes - Коды патентных документов определяющие их юридический статус (А- заявка, В- патент, U- полезная модель, С,D,T – различные стадии)



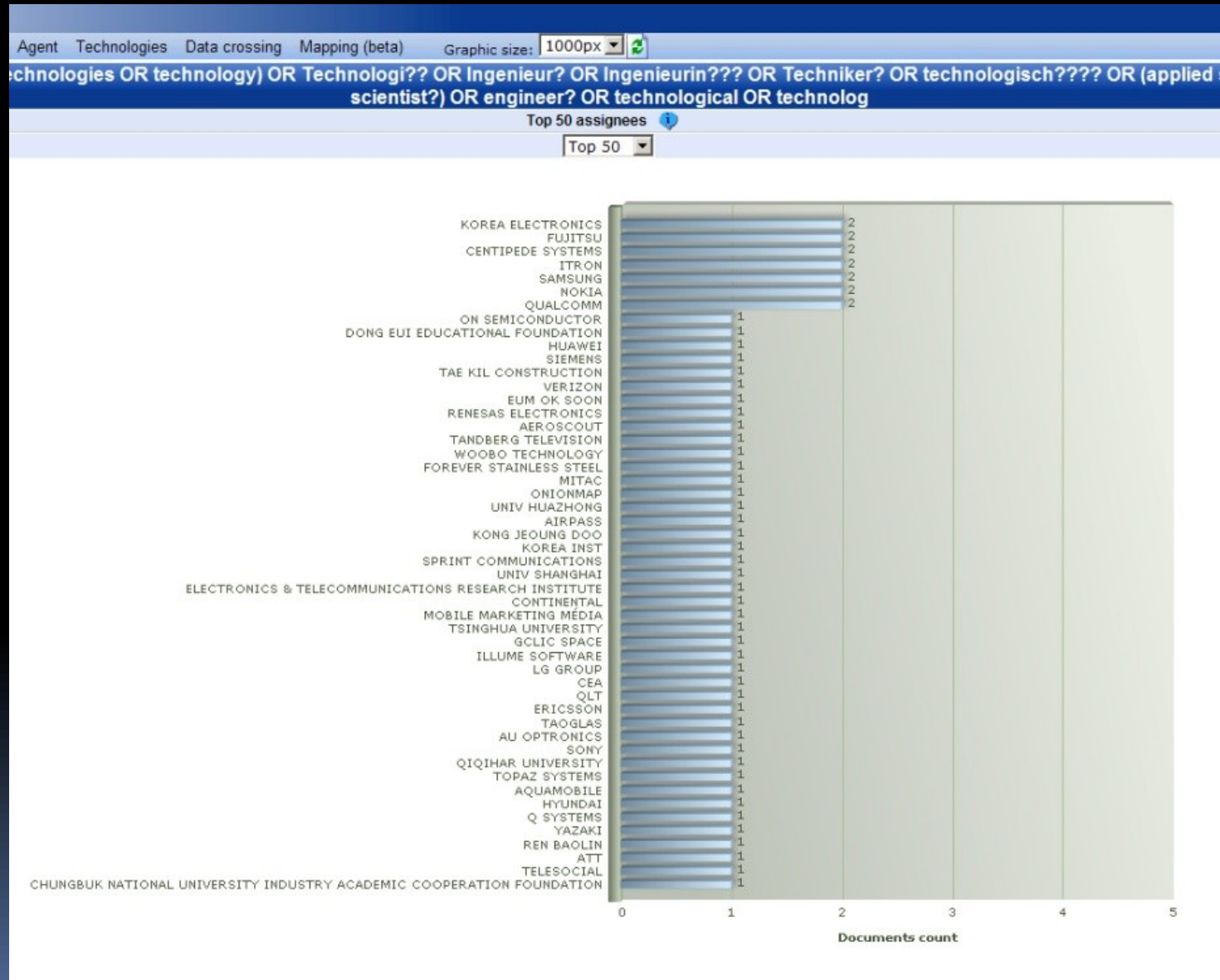
кликабельно. – переход на страницу документа с библиографическим описанием и возможностью Открыть полный текст (PDF)

# Documents citations – наиболее часто цитируемые документы

Documents having most citations	
Title	Citations
1 SYSTEM AND METHOD FOR GENERATING SIGNAL WAVEFORMS IN A CDMA CELLULAR TELEPHONE SYSTEM.	5
2 COMMUNICATION SERVICES	3
3 DYNAMIC ALLOCATION OF RADIO RESOURCES IN A PACKET SWITCHED COMMUNICATIONS-SYSTEM	2
4 MULTI-MODE MOBILE STATION SUPPORTING MULTIPLE CELLULAR TELEPHONE SYSTEM OPERATION WITH LIMITED SUBSCRIBER IDENTITY MODULE CARD	2
5 WIRELESS TELECOMMUNICATIONS SYSTEM UTILIZING CDMA RADIO FREQUENCY SIGNAL MODULATION IN CONJUNCTION WITH THE GSM A-INTERFACE TELECOMMUNICATIONS NETWORK PROTOCOL	2
6 MOBILE TELECOMMUNICATIONS SYSTEM	2
7 INTERACTIVE NATIONWIDE DATA SERVICE COMMUNICATION SYSTEM FOR STATIONARY AND MOBILE BATTERY OPERATED SUBSCRIBER UNITS.	2
8 DIGITAL MOBILE TELEPHONE SYSTEM IN WHICH EACH SUBSCRIBER IS ASSIGNED A TELEPHONE NUMBER AND SEVERAL SUBSCRIBER IDENTITY MODULE (SIM) CARDS.	2
9 APPARATUS AND METHOD FOR REDUCING POWER CONSUMPTION IN A MOBILE COMMUNICATIONS RECEIVER.	2
10 Mobile communications.	2
11 REAL-TIME BALANCE UPDATES	1
12 METHOD AND APPARATUS TO COUNT BROADCAST TELEPHONE RECIPIENTS IN A WIRELESS TELEPHONE NETWORK	1
13 Asynchronous messaging based system for publishing and accessing content and accessing applications on a network with	1

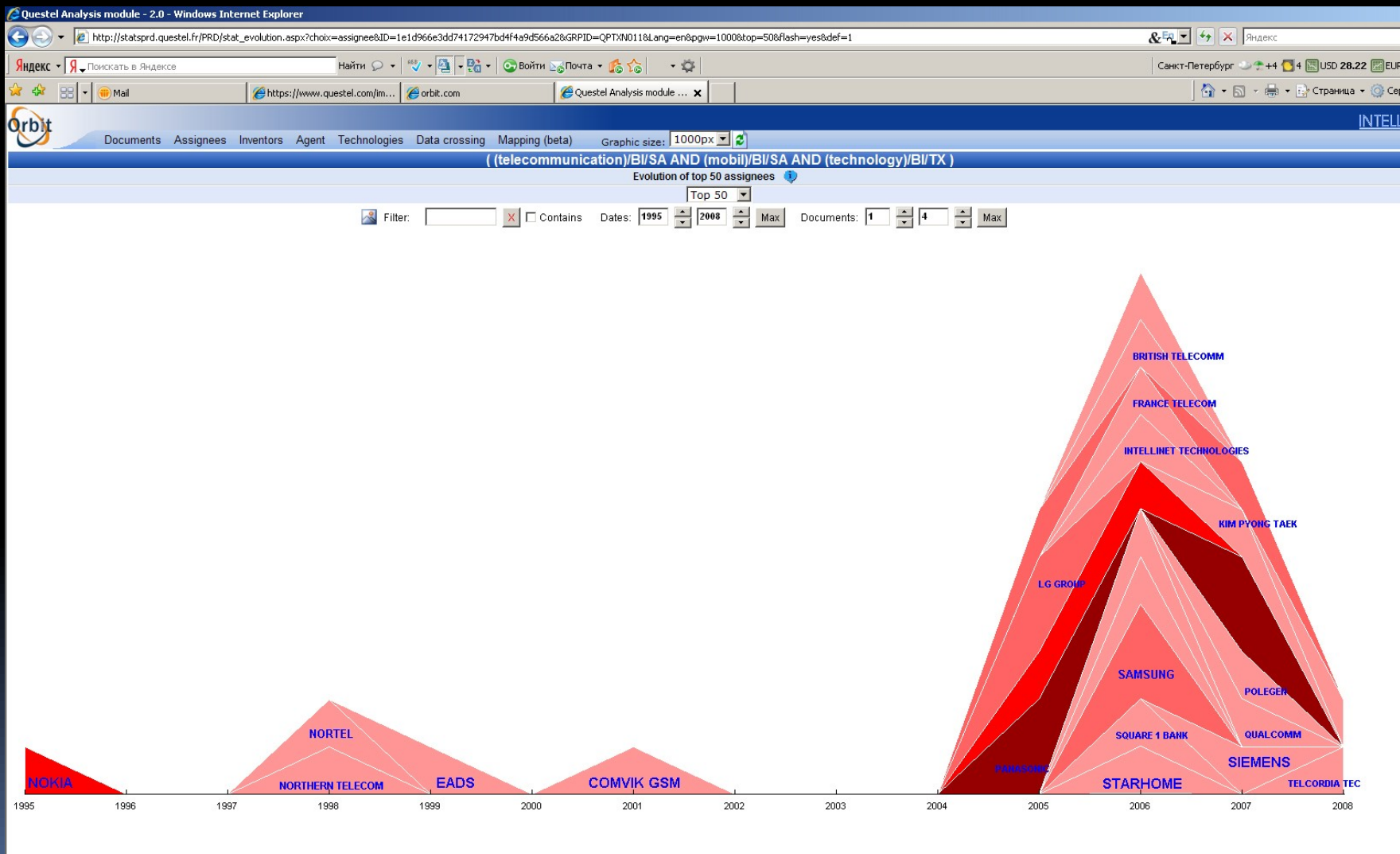
# Распределение патентов по ведущим фирмам, работающим по этой теме, по часто патентующим компаниям

## Top assignees



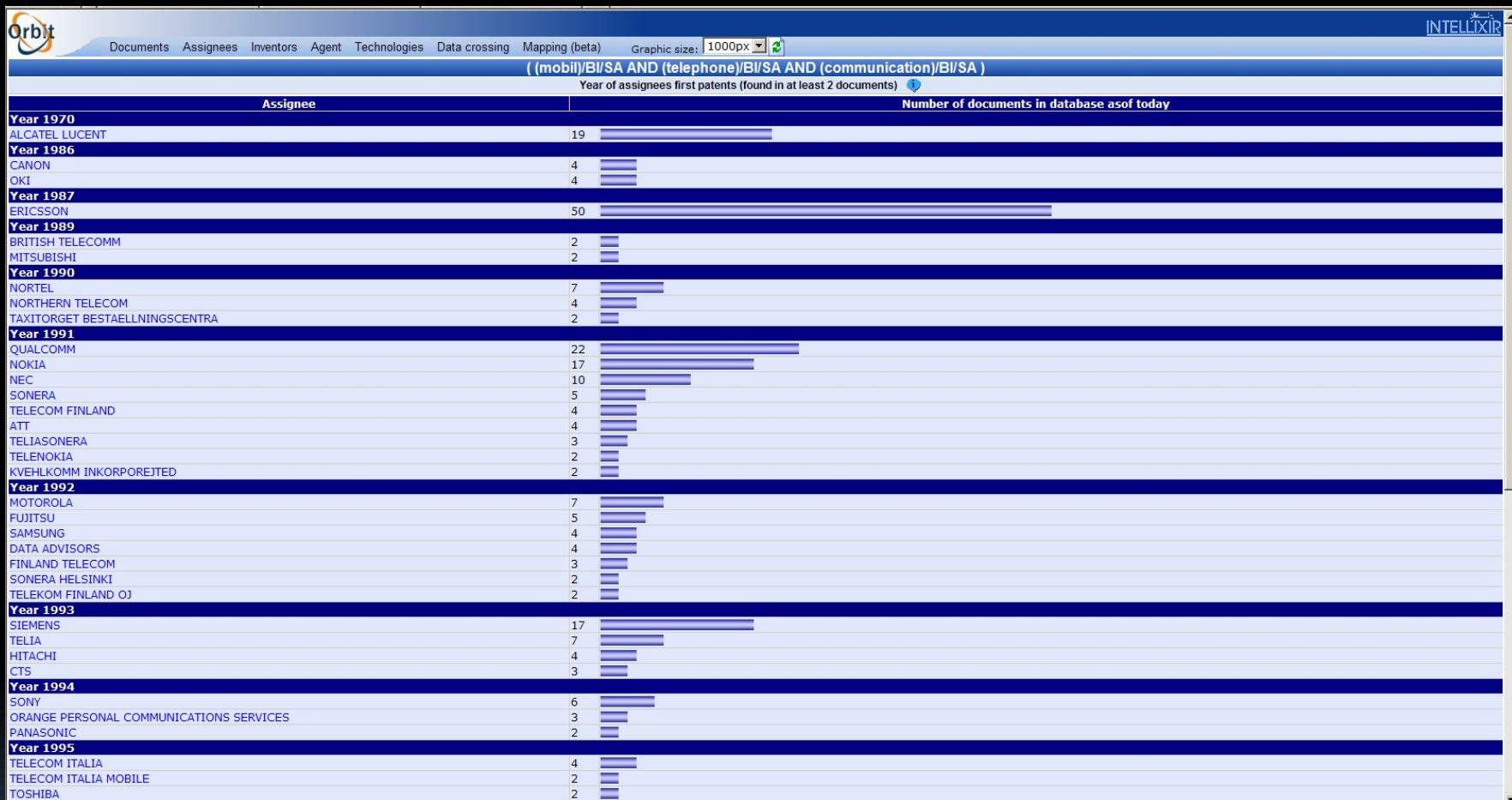


# Assignees evolution- Динамика разработок наиболее активных компаний по годам .

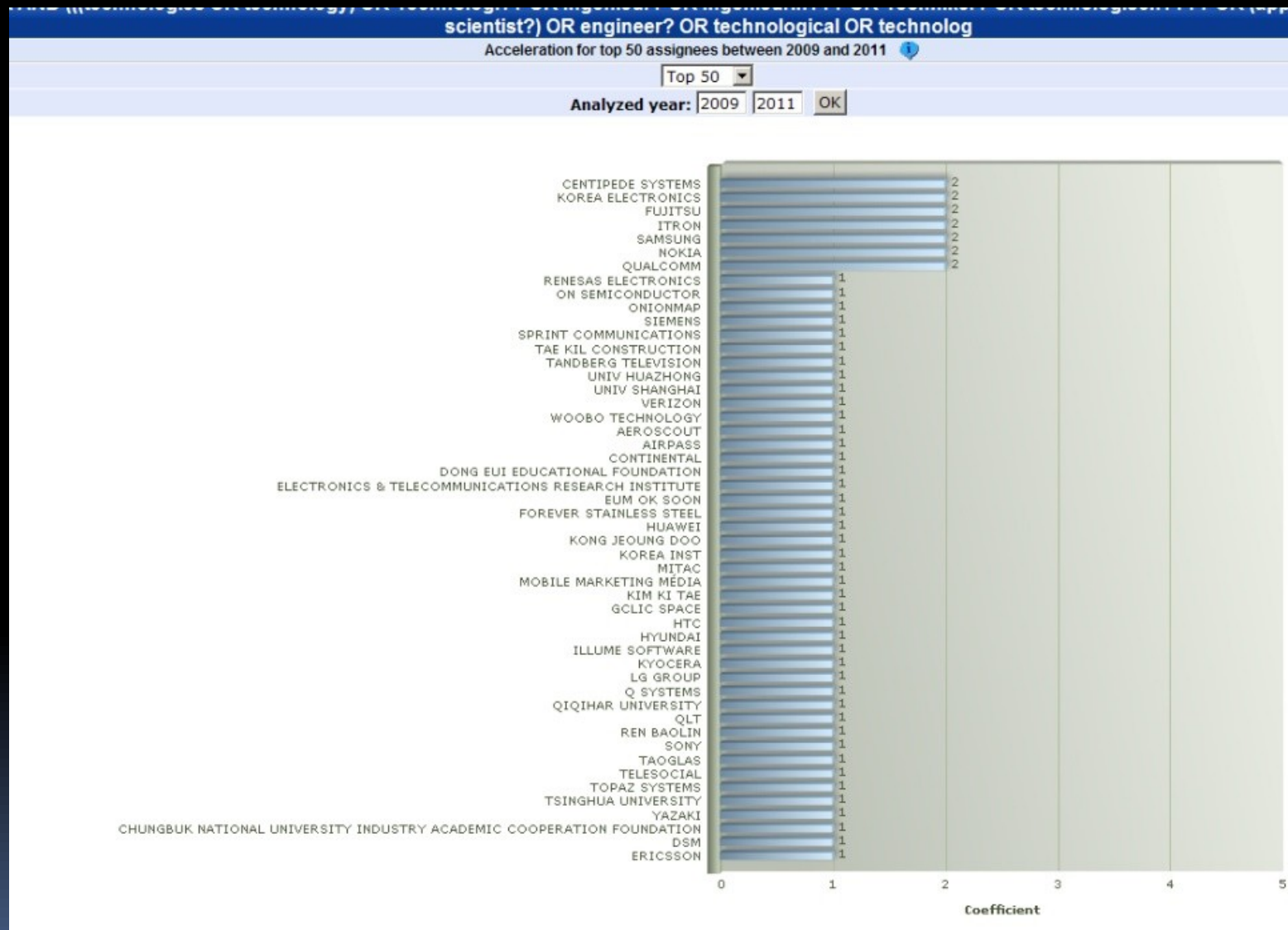




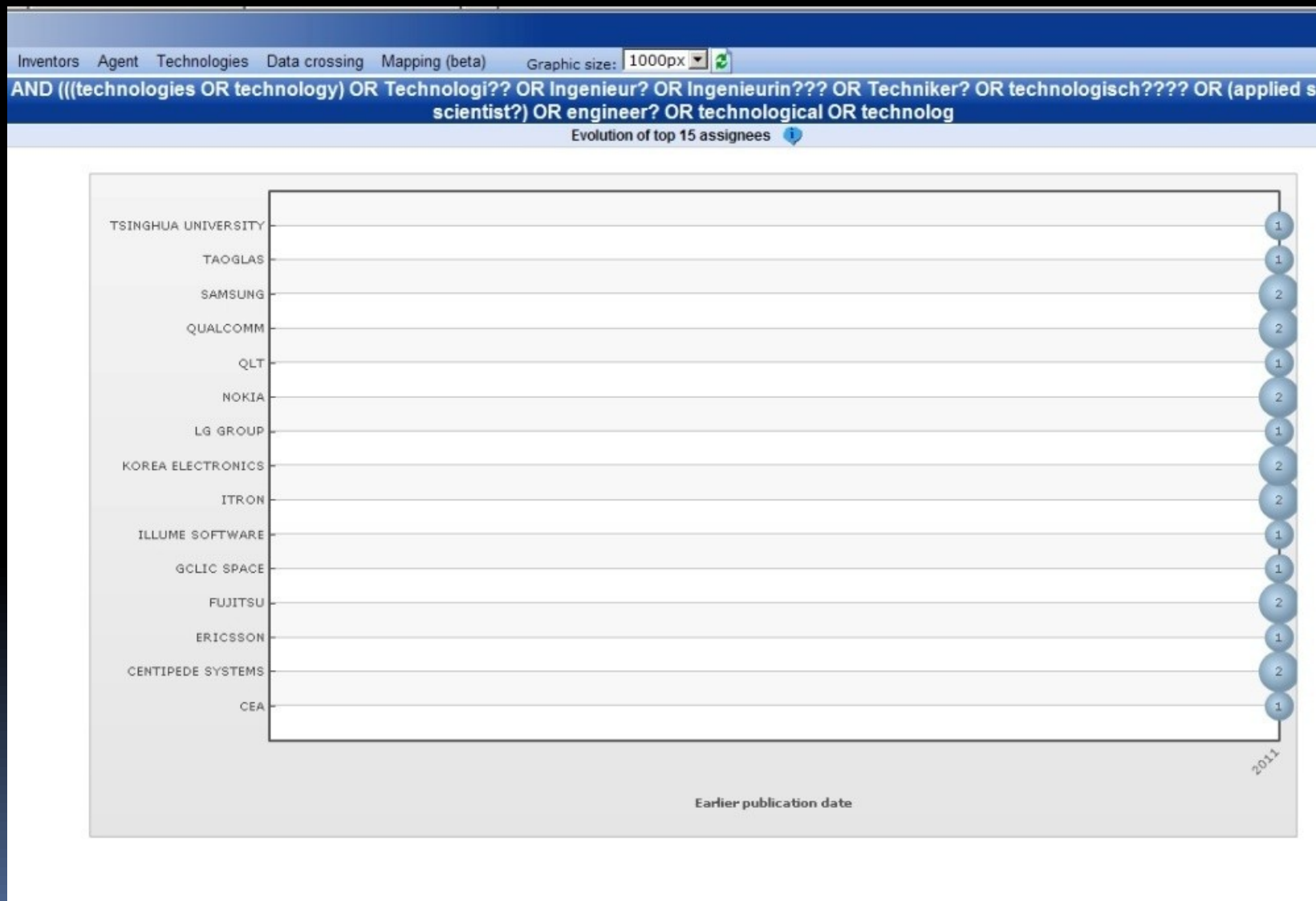
# - Assignee appearance- Распределение патентов по компаниям и годам



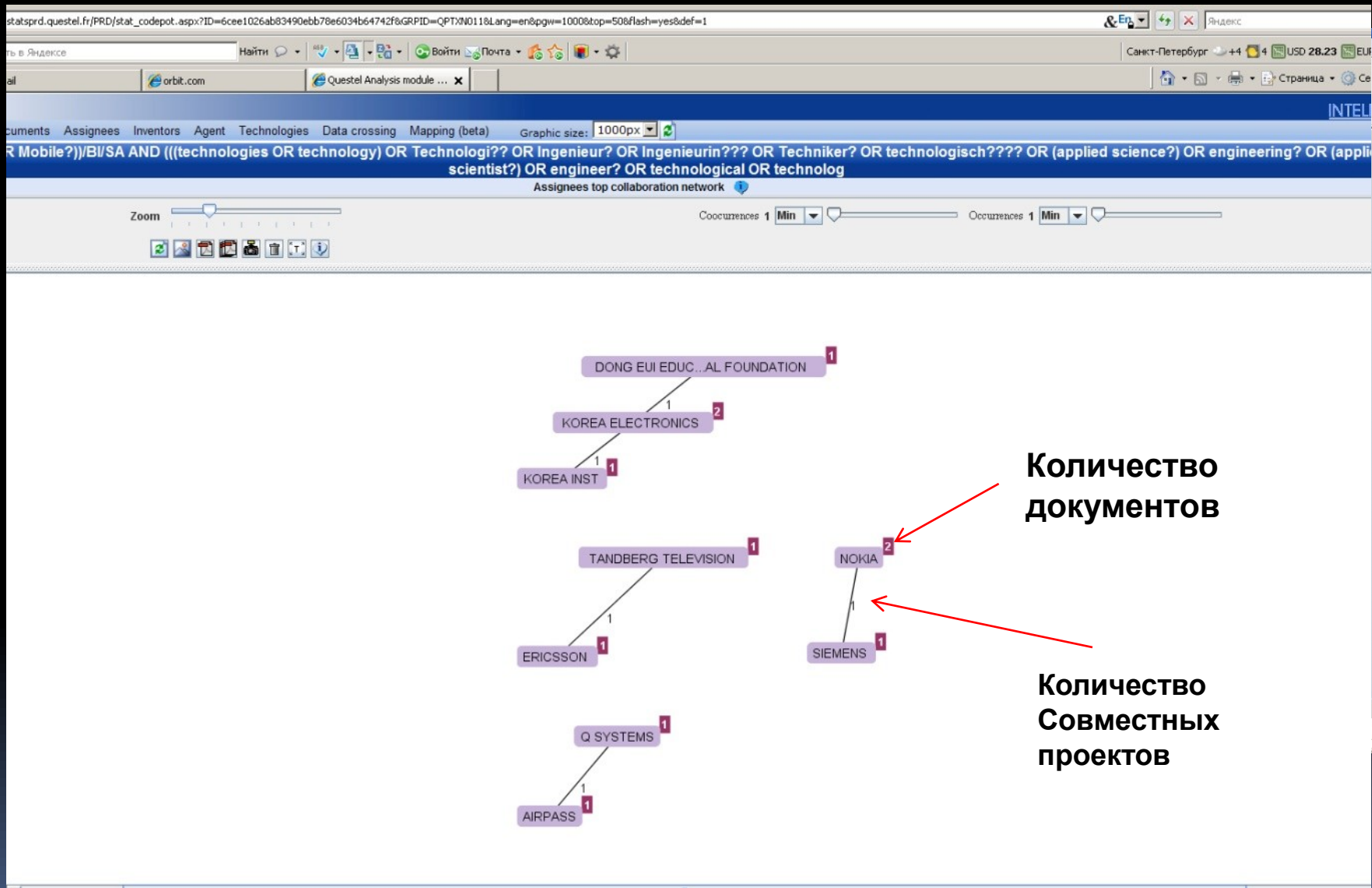
# - Assignee acceleration- динамика ведущих патентообладателей по годам



# assignee timeline- Распределение патентов по фирмам и годам для 15 топовых патентообладателей

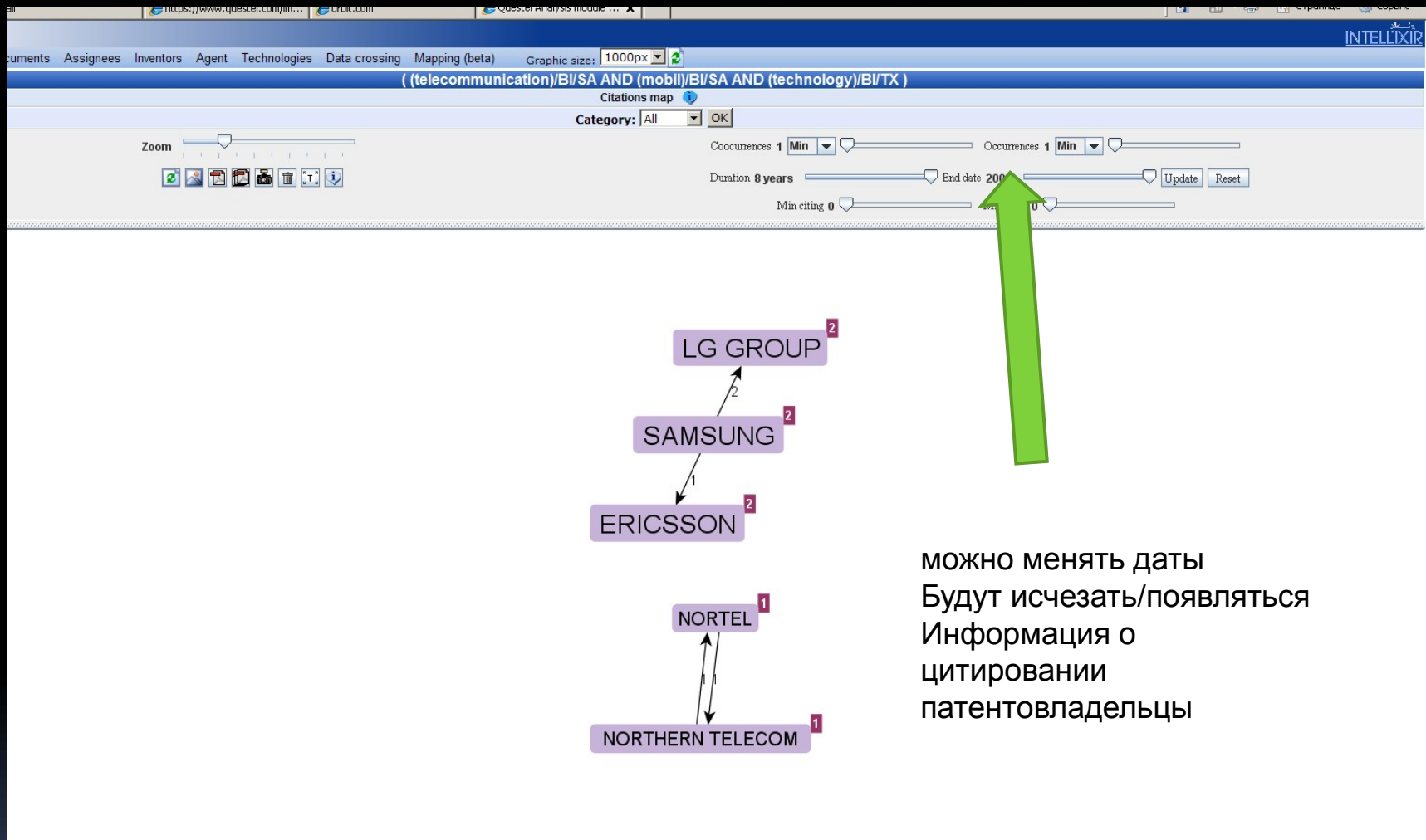


# Assignee collaboration- сотрудничество фирм





# assignee citation map – карта цитирования патентообладателей



можно менять даты  
Будут исчезать/появляться  
Информация о  
цитировании  
патентовладельцы

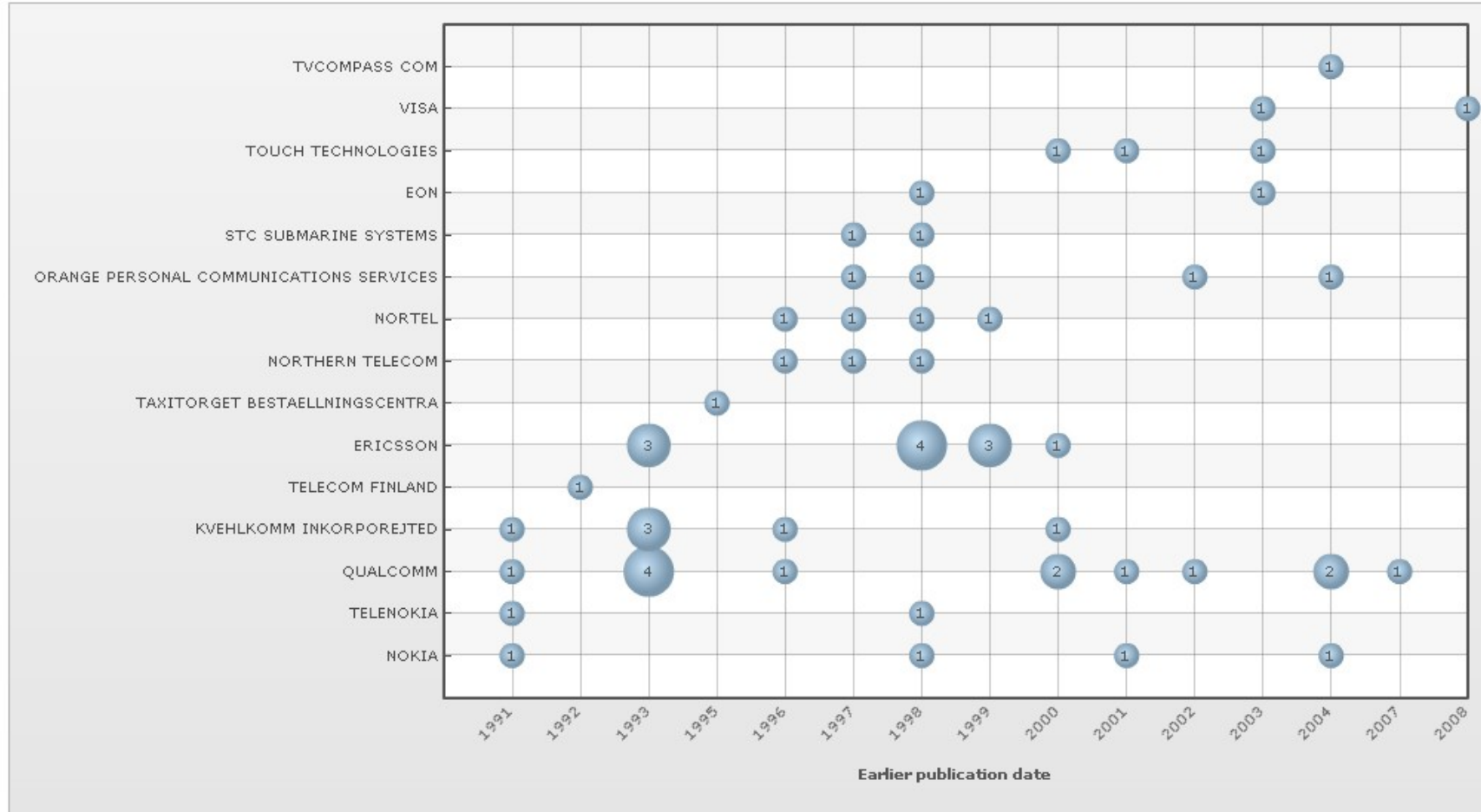
Черная цифра указывает на количество цитат, фиолетовая – количество патентов

# assignee citation timeline-динамика кол-ва документов 15 наиболее цитируемых патентообладателей

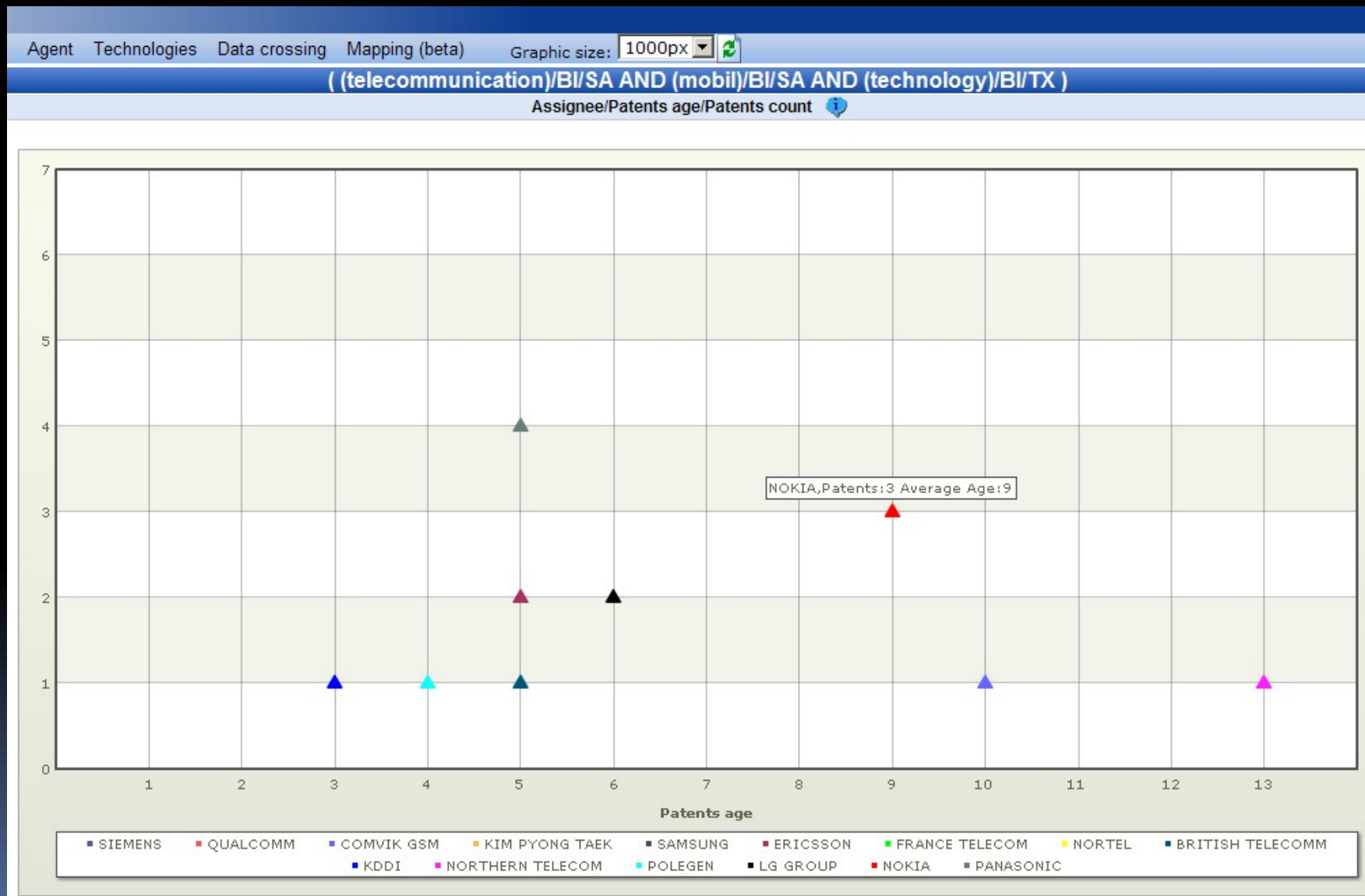
ors Agent Technologies Data crossing Mapping (beta) Graphic size: 1000px

( (mobil)/BI/SA AND (telephone)/BI/SA AND (communication)/BI/SA )

Evolution of top 15 most cited assignees



# assignee patent age-Распределение патентов по патентобладателям с указанием возраста патентов

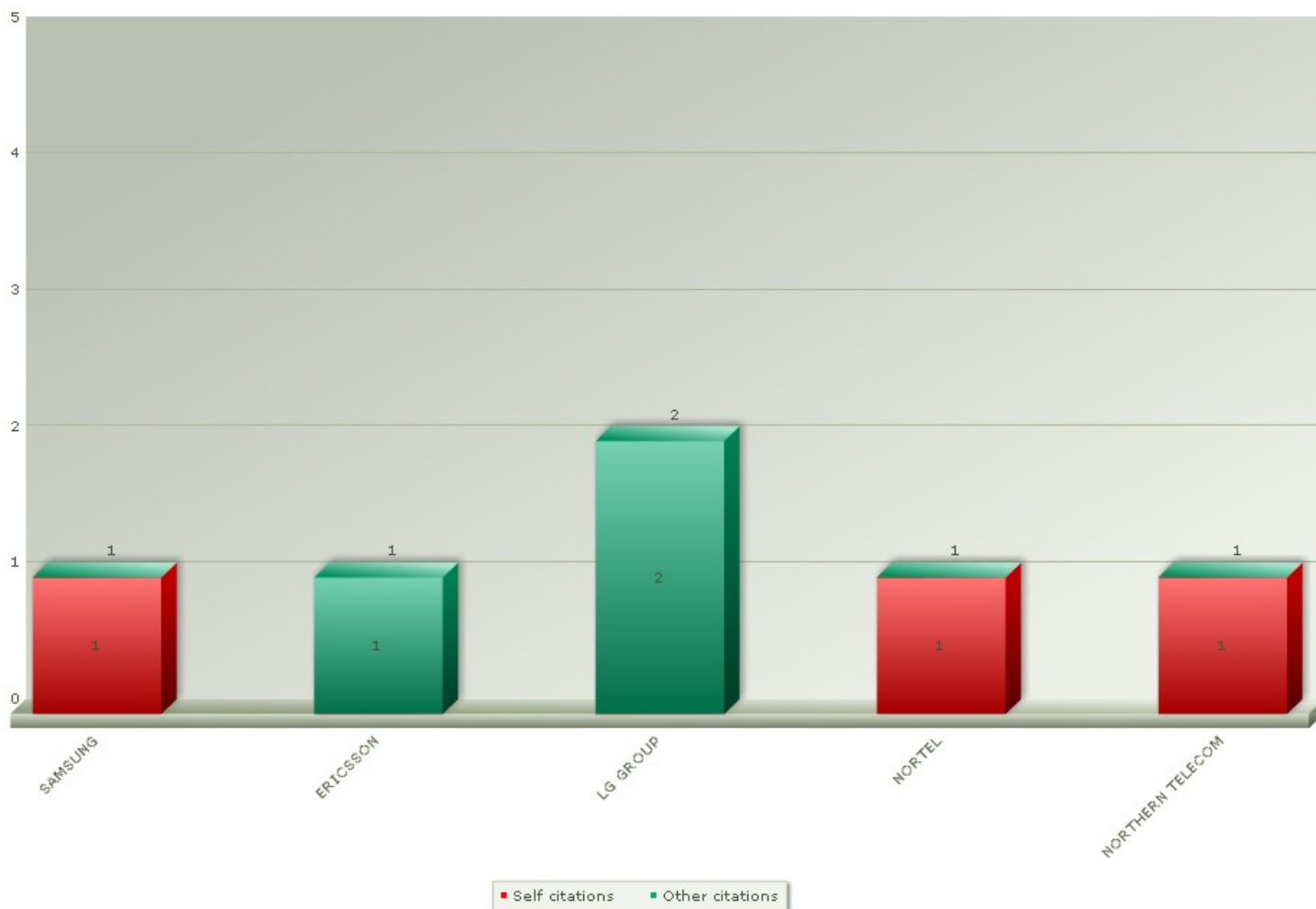


# Assignee self citation-Красным цветом указано количество патентов, в которых патентообладатель цитирует свои собственные патенты

Technologies Data crossing Mapping (beta) Graphic size: 1000px

(telecommunication)/BI/SA AND (mobil)/BI/SA AND (technology)/BI/TX )

Self citations





# top inventors- Топ 50 изобретателей

http://statsprd.questel.fr/PRD/stat\_inventeur\_princ.aspx?ID=5c622ee63e8c4c5b9aa00e284ef465ff8&GRPID=QPTXND118&Lang=en&pgw=1000&top=50&flash=yes&def=1

Индекс Поискать в Яндексе Найти Войти Почта Questel Analysis module ... INTELIXIR : Help INTELIXIR : Help Санкт-Петербург +4 USD 28.12 EUR 40.35

orbit Documents Assignees Inventors Agent Technologies Data crossing Mapping (beta) Graphic size: 1000px INTELIXIR

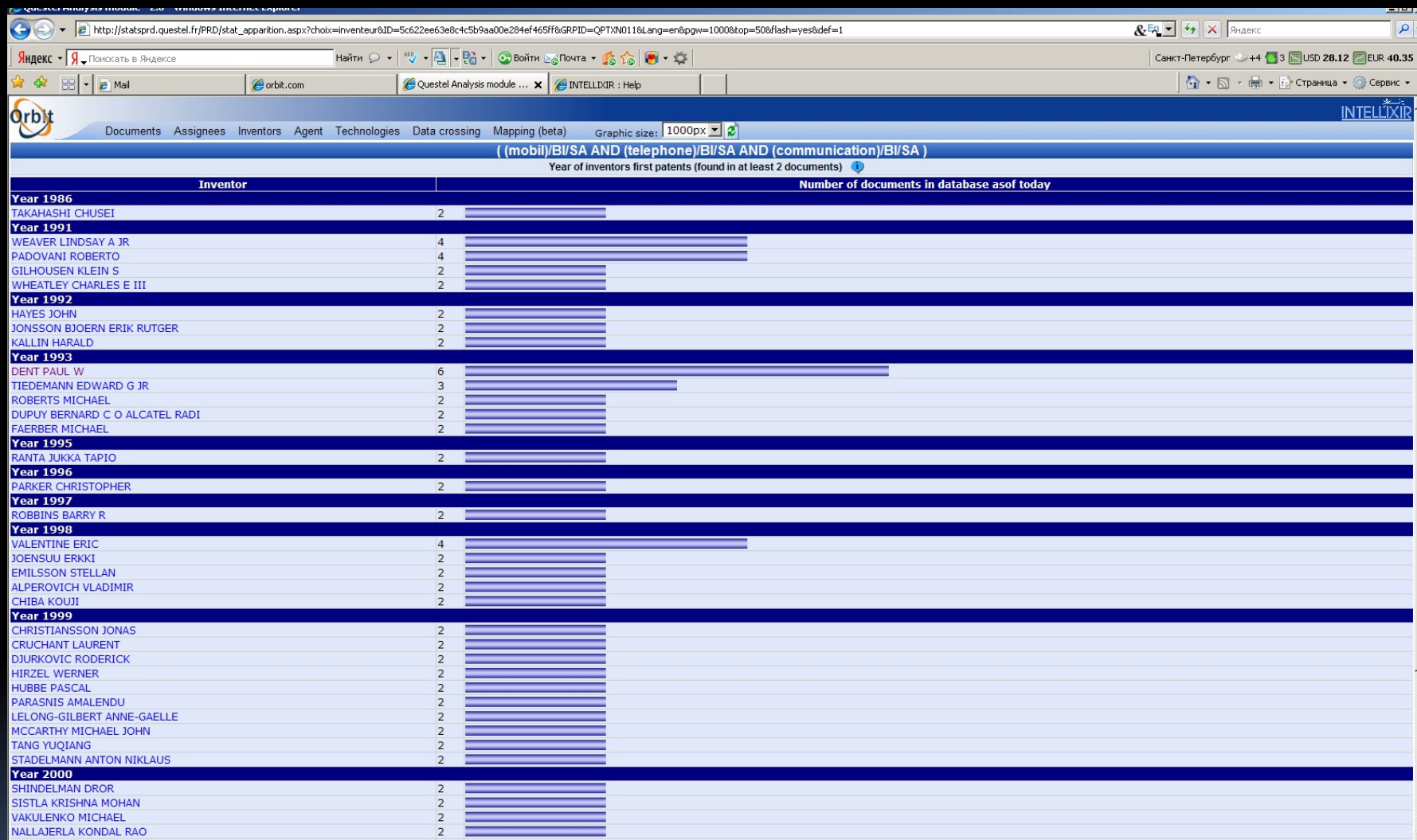
( (mobile)/BI/SA AND (telephone)/BI/SA AND (communication)/BI/SA )

Top 50 inventors

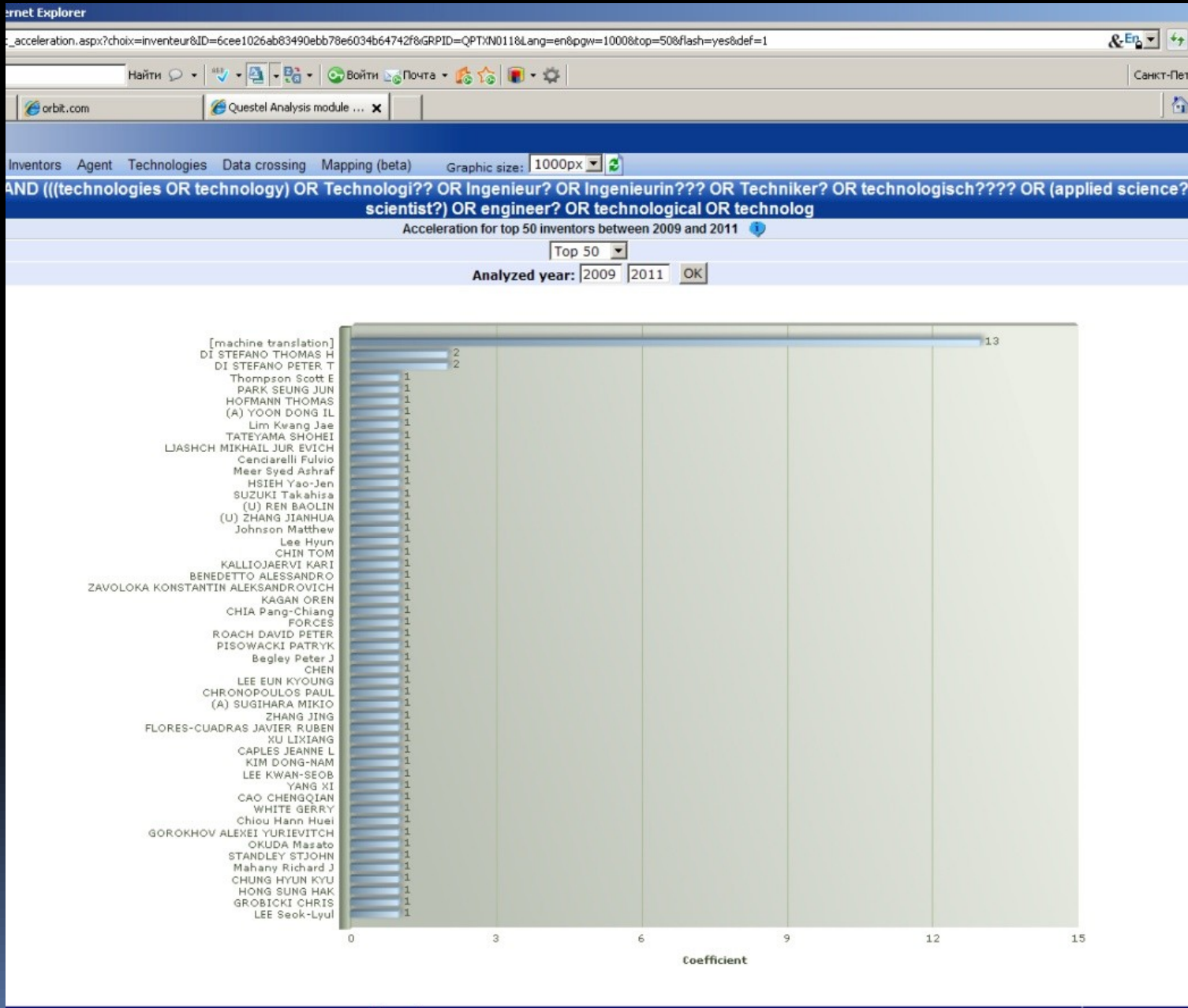
Top 50

Inventor	Documents count
ENT PAUL W	6 ERICSSON : 6
ADOVANI ROBERTO	4 CTS : 1 QUALCOMM : 4
VALENTINE ERIC	4 KOLKOMM INKORPÖJTTED : 1 KVEHLKOMM INKORPÖJTTED : 1
EAVER LINDSAY A JR	4 ERICSSON : 4 EHRIKSSON INK : 2
TATSUNO TAKESHI	3 QUALCOMM : 4 KOLKOMM INKORPÖJTTED : 1 KVEHLKOMM INKORPÖJTTED : 1
EDEMANN EDWARD G JR	3 NTT DOCOMO : 3
ANG JUN	3 QUALCOMM : 3 JUN WANG : 1
PEROVICH VLADIMIR	2 QUALCOMM : 3 JUN WANG : 1
HIBA KOUJI	2 ERICSSON : 2 NTT DOCOMO : 2
CHRISTIANSSON JONAS	2 NIPPON TEL : 1 TELIA : 2
RUCHANT LAURENT	2 TELIASONERA : 2
JURKOVIC RODERICK	2 ALCATEL LUCENT : 2
ORENBOSCH JHEROEN P	2 NORTEL : 2 NORTHERN TELECOM : 1
UGAST XAVIER	2 MOTOROLA : 2 CTS : 1
PUY BERNARD C O ALCATEL RADI	2 ALCATEL LUCENT : 2 ALCATEL LUCENT : 2
MILSSON STELLAN	2 IPG ELECTRONICS 504 : 2
BERBER MICHAEL	2 JVCO TAM HOLDING : 2
LHOUSEN KLEIN S	2 TCL COMMUNICATION TECHNOLOGY HOLDINGS : 2
RILLI FRANCESCO	2 ALCATEL LUCENT : 2 TELIA : 2
UPTA PRAFULLA C	2 SIEMENS : 2 QUALCOMM : 2
	KOLKOMM INKORPÖJTTED : 1 KVEHLKOMM INKORPÖJTTED : 1
	QUALCOMM : 2
	UPAID SYSTEMS : 2 CHAFETZ MARC E : 1
	FRNAKKALA ANIL KUMAR REDDY : 1 HALEY STEPHEN : 1
	SATYAM ENTERPRISE SOLUTIONS : 1

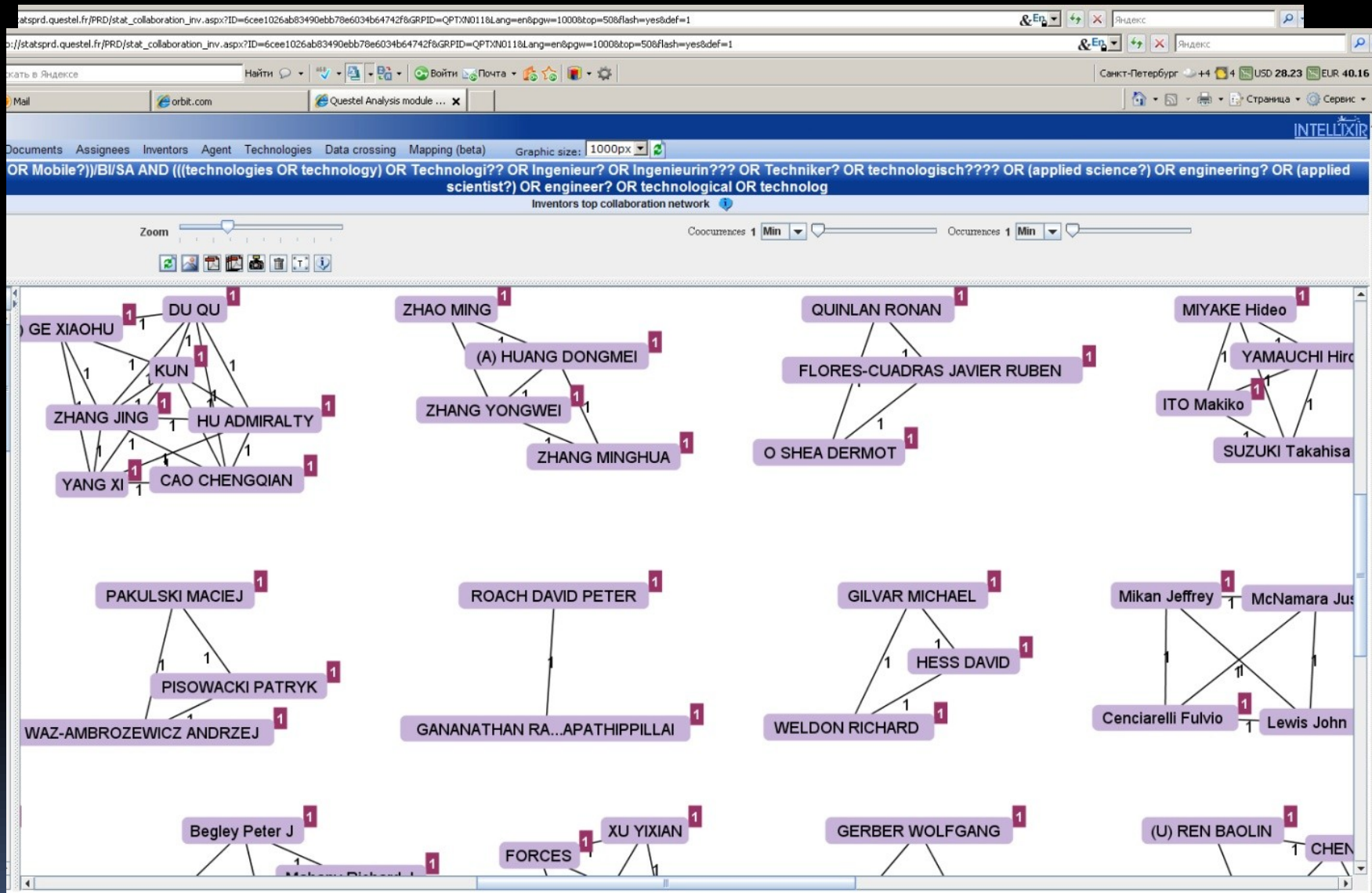
# inventor appearance- Распределение патентов по годам и изобретателям



# Inventor acceleration-динамика развития изобретателей



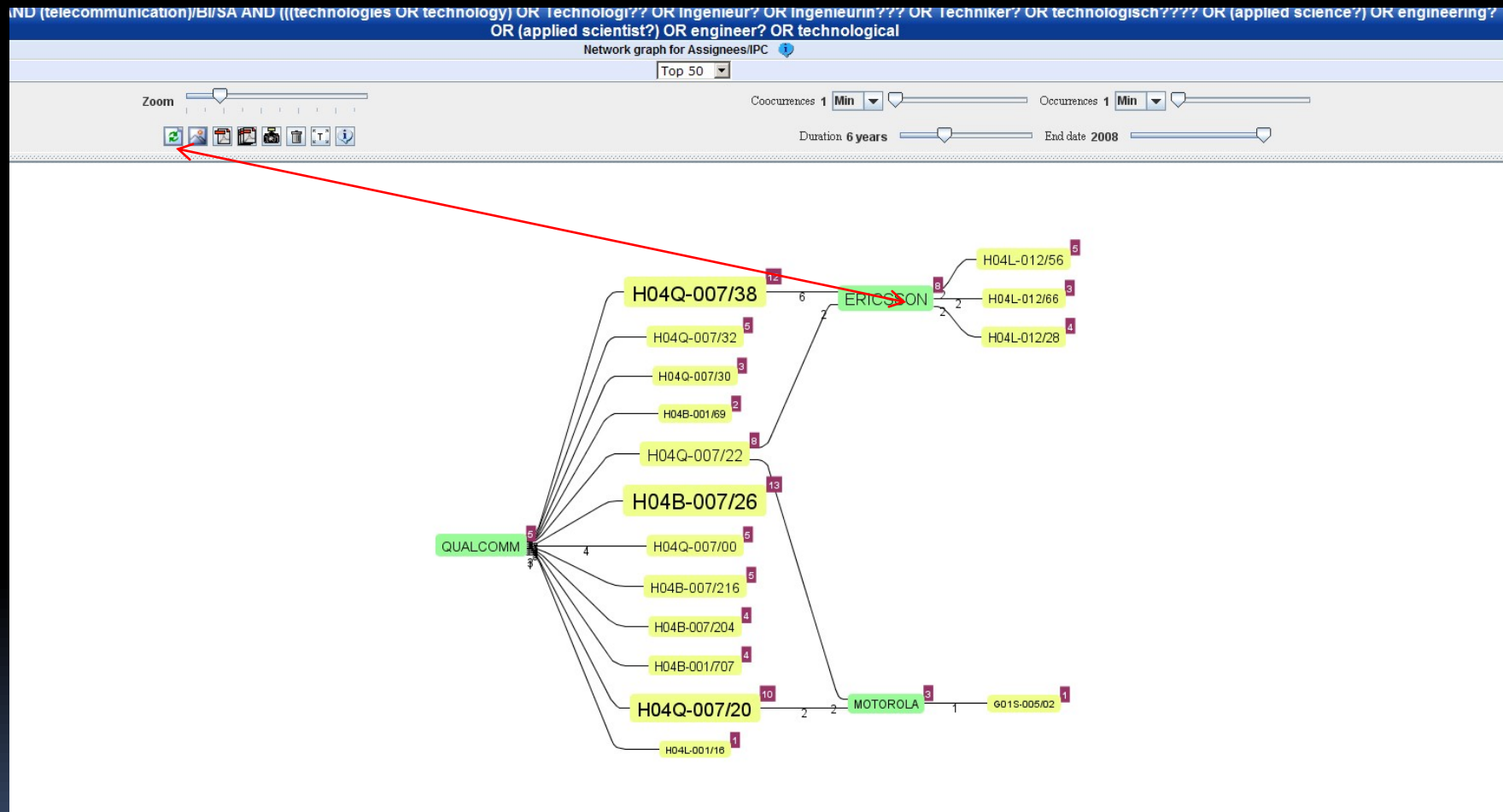
# Inventor collaboration – сотрудничество изобретателей



Черная цифра-количество общих проектов, фиолетовая-количество патентов У изобретателя



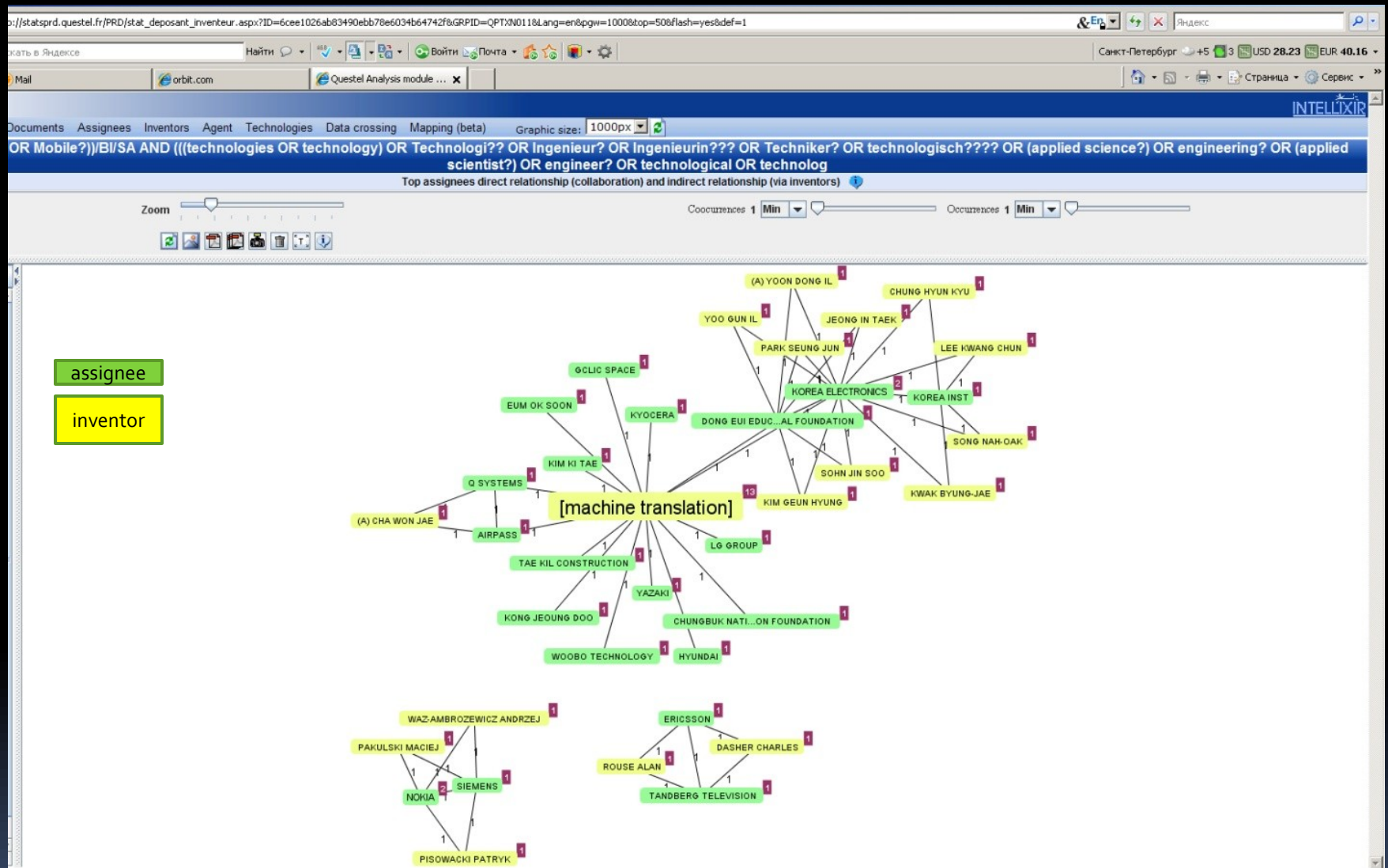
Data crossing-Assignee /IPC– иерархическая структура, показывающая коды международной классификации , принадлежащие ведущим патентовладельцам. Аналогично с классификациями ECLA, etc



Слева -Максимальное кол-во документов. Можно поменять и посмотреть Интересующую Вас компанию, нажав на кнопочку



# Data crossing- assignee/inventor



# Data crossing и так далее...

Windows Internet Explorer

statsprd.questel.fr/PRD/stat\_deposant\_agent.aspx?ID=6cee1026ab63490ebb78e6034b64742f8&GRPID=QPTXND11&Lang=en&pgw=1000&top=50&flash=yes&def=1

Яндекс

орбит.com Questel Analysis module ...

INTELLIXIR

Documents Assignees Inventors Agent Technologies Data crossing Mapping (beta) Graphic size: 1000px

OR Mobile?)/BI/SA AND (((technologies OR te  
OR Ingenieur? OR Ingenieurin??? OR Techniker? OR technologisch???? OR (applied science?) OR engineering? OR (applied  
?) OR engineer? OR technological OR technolog  
ct relationship (collaboration) and indirect relationship (via agents)

Assignee/NPN Countries/Bubble  
Assignee/Agent  
Agent/IPC  
Agent/ECLA  
Agent/US Class  
Agent/FI Terms  
Agent/Custom  
Agent/Inventor  
Agent/IPC/Bubble  
Agent/ECLA/Bubble  
Agent/US Class/Bubble  
Agent/FI Terms/Bubble  
Agent/PR Countries/Bubble  
Agent/NPN Countries/Bubble

Zoom

Cooccurrences 1 Min Occurrences 1 Min

```
graph TD; A[MUHANN PATENT & LAW FIRM] ---|1| B[KOREA ELECTRONICS]; A ---|1| C[KOREA INST]; B ---|1| C;
```

```
graph TD; D[LIU Ronald et al.] ---|1| E[ERICSSON]; D ---|1| F[TANDBERG TELEVISION]; E ---|1| F;
```

```
graph TD; G[NOKIA] ---|1| H[NOKIA SIEMENS NETWORKS OY]; G ---|1| I[SIEMENS]; H ---|1| I;
```

```
graph TD; J[Q SYSTEMS] ---|1| K[AIRPASS];
```

Mapping- concept tag cloud- Глубокий семантический анализ позволяет точно идентифицировать темы исследований, которые находятся в найденных патентах.

При подведении указателя «мышки» к интересующей теме высвечивается количество документов

Documents Assignees Inventors Agent Technologies Data crossing Mapping (beta) Graphic size: 1000px

(((mobile?) OR Mobile?))//SA AND (((technologies OR technology) OR Technologi?? OR Ingenieur? OR Ingenieurin??? OR Techniker? OR technologisch???? OR (applied science?) OR engineering? OR (applied scientist?) OR engineer? OR technological OR technolog

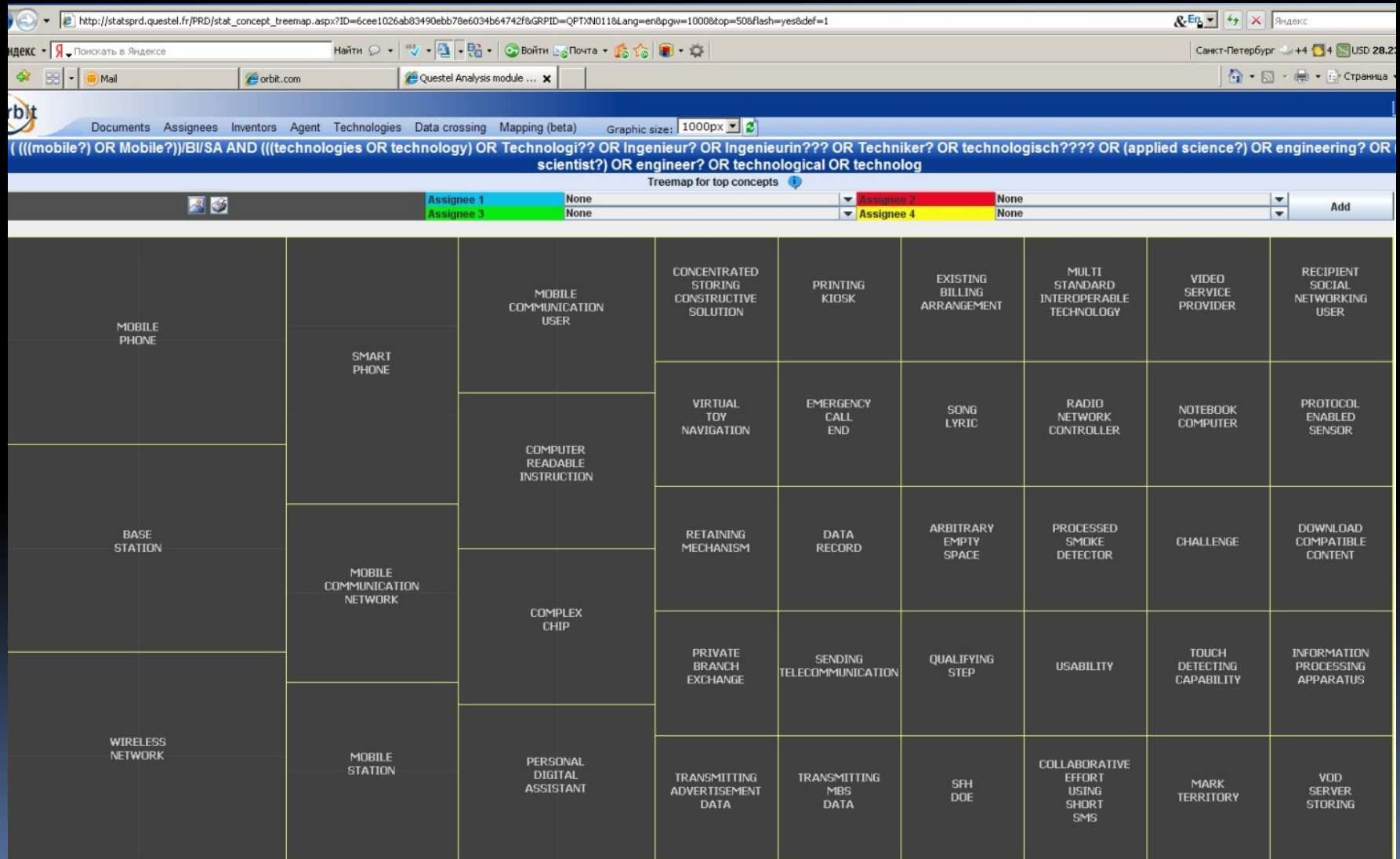
Tag cloud for top 50 concepts (75 Documents)

Max Occ.  Max Year  Duration

**BASE STATION** | 3D VIDEO GAMING CLIENT | ACCESS MEAN | ADDRESSEE | BADGE CODE | BASE STATION TRANSMITTING MULTICAST BROADCAST SERVICE | CODE MEAN | COMMUNICATION RESOURCE ALLOTMENT | COMPLEX CHIP | COMPUTER READABLE INSTRUCTION | COMPUTER USEABLE INSTRUCTION | COVER READING DESK COPY | DRIVER INDICATIVE DRIVER SPONSOR | ELECTRONIC SIGNAL INDICATIVE | EXISTING SEARCH TECHNOLOGY | GEOSPATIAL INFORMATION | KNOB | LICENSED SPECTRUM USER | LICENSED USER | LOOP VELCRO | MOBILE COMMUNICATION NETWORK | MOBILE COMMUNICATION USER | MOBILE DEVICE LAYER | **MOBILE PHONE** | MOBILE STATION | NETWORK COVERAGE VERIFICATION TOOL | OUTPUTTING INTERACTIVE ADVERTISEMENT MESSAGE | OWN PRIVATE KEY | PERSONAL DIGITAL ASSISTANT | PIXEL ELECTRODE | PROTOCOL INSTRUCTIONAL BEHAVIOR | PUBLIC WIRELESS VOICE | PUSH VIDEO CONTENT INFORMATION | QUERY TEMPLATE DATABASE | READING DESK | RECIPIENT SOCIAL NETWORK USER | REQUESTED CONTENT | RF ASSOCIATION | RF TRANSCIEVER NETWORK | SECURE PROTOCOL | SIGN DOCUMENT | **SMART PHONE** | SUBSCRIBER EXISTENCE DETERMINING UNIT | THRESHOLD DISTANCE | TRANSLATION STAGE | WIRED COMMUNICATION MODULE | WIRELESS MEDIUM | **WIRELESS NETWORK** | WORKSTATION WS | XRTT AVAILABILITY DETERMINER |

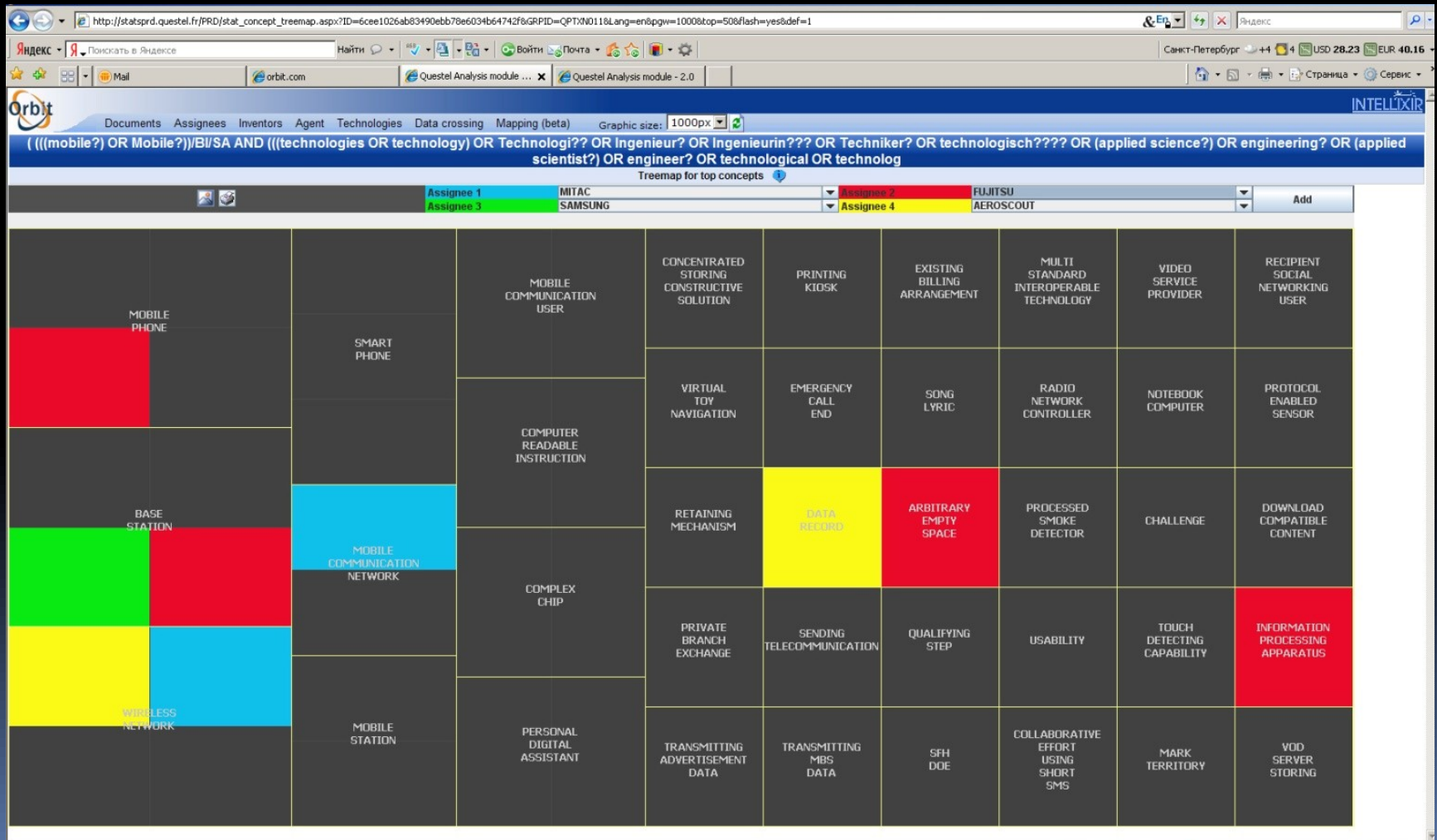


Tree map for top concepts- Семантический анализ позволяет определить общее количество тем, используемых в найденных документах, а также направления работ интересующих Вас компаний. При нажатии на выбранную ячейку предоставляется список патентов по выбранной теме



Tree map for top concepts- Семантический анализ позволяет определить общее количество тем, используемых в найденных документах, а также направления работ интересующих Вас компаний. При нажатии на выбранную ячейку предоставляется список патентов по выбранной теме

Кликабельно



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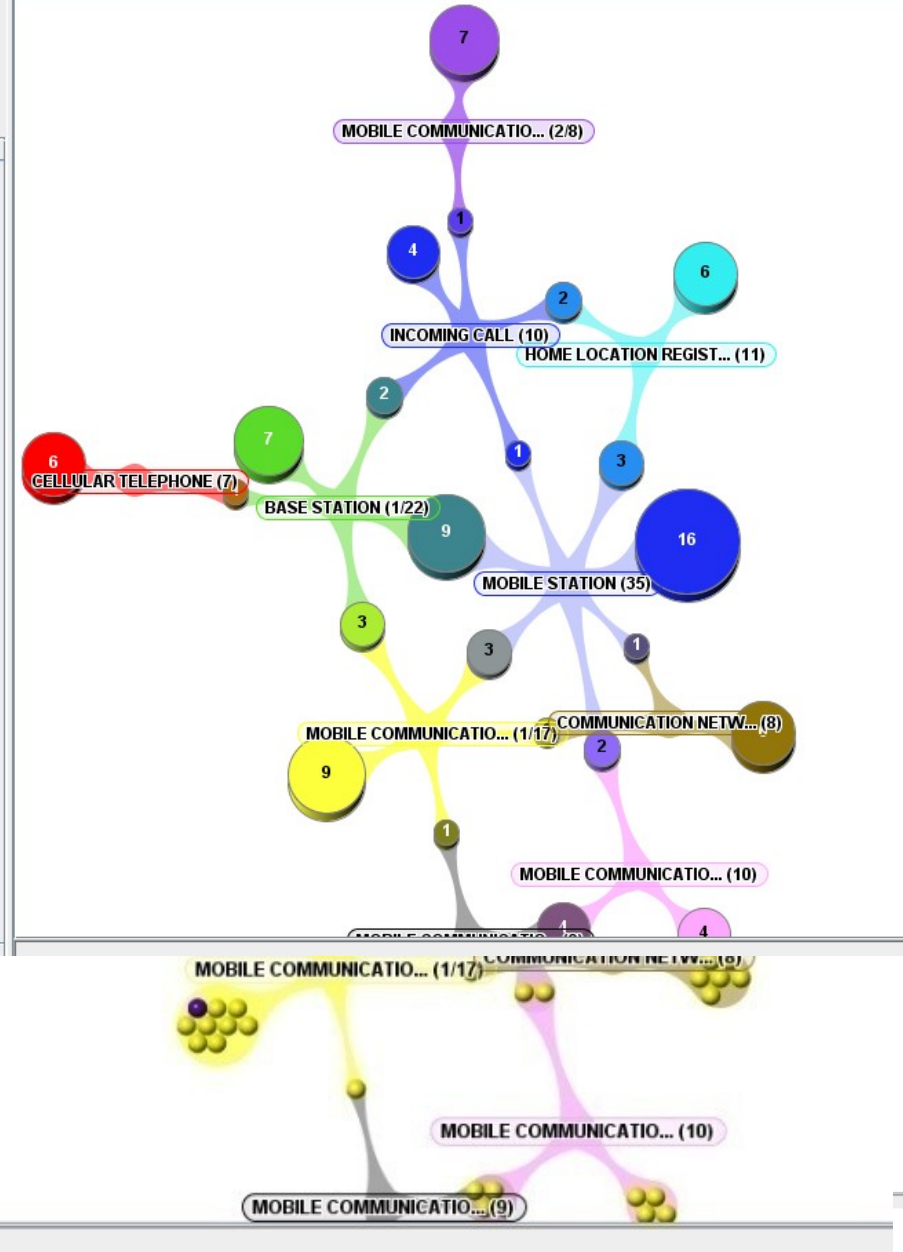
http://statsprd.questel.fr/PRD/stat...  
 Яндекс Поиск в Яндексе  
 Mail  
 Orbit Documents Assignees  
 (((mobile?) OR Mobile?)/BI/SA A  
 Shape: Amoeba  
 Concepts  
 BASE STATION 25  
 COMPLEX CHIP 2  
 COMPUTER READABL... 2  
 DOWNLOAD COMPAT... 1  
 MARK TERRITORY 1  
 MOBILE COMMUNICATI... 2  
 MOBILE PHONE 4  
 MOBILE STATION 2  
 PERSONAL DIGITAL A... 2  
 PRINTING KIOSK 1  
 RECIPIENT SOCIAL NET... 1  
 RETAINING MECHANISM 1  
 SFH DOE 1  
 SMART PHONE 3  
 SONG LYRIC 1  
 TRANSMITTING MBS D... 1  
 VIRTUAL TOY NAVIGA... 1  
 VOD SERVER STORING 1  
 WIRELESS NETWORK 4

Документ

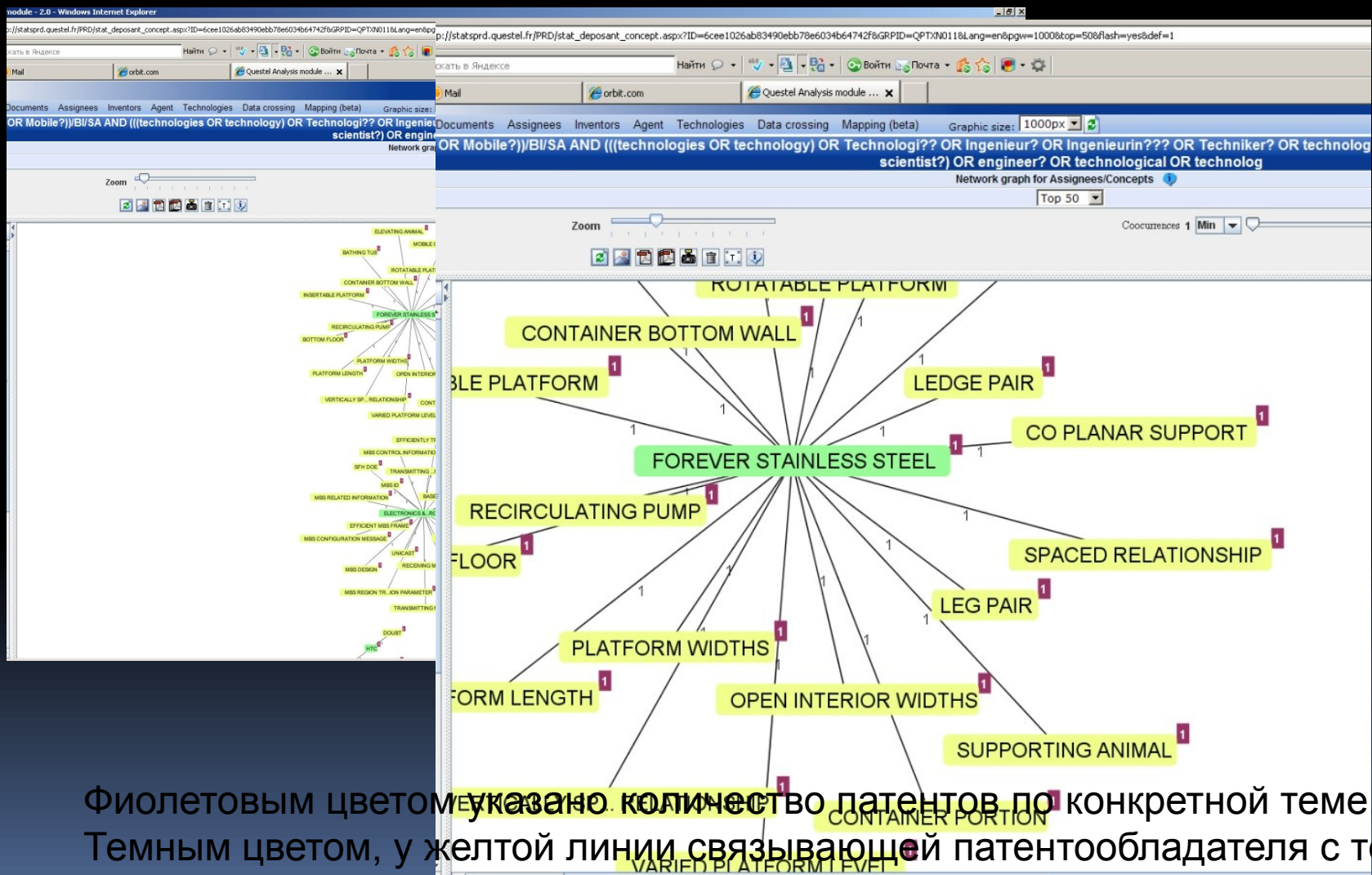
Shape: Amoeba

Concepts 158

- BASE STATION 22
- CELLULAR TELEPHONE 7
- COMMUNICATION NE... 8
- HOME LOCATION RE... 11
- INCOMING CALL 10
- MOBILE COMMUNICA... 8
- MOBILE COMMUNIC... 10
- MOBILE COMMUNIC... 17
- MOBILE COMMUNICA... 9
- MOBILE COMMUNICA... 35
- MOBILE SUBSCRIBER 6
- MOBILE TELEPHONE 16
- MOBILE TELEPHONE N... 12
- MOBILE TERMINAL 17
- RECEIPT 6
- STORAGE MEAN 7
- TELEPHONE NETWORK 8
- TRANSMITTER 7
- WIRELESS COMMUNIC... 7
- WIRELESS COMMUNIC... 6



Mapping-assignee concept - Семантический анализ позволяет идентифицировать темы исследований (концепций), используемых той или иной компанией. Зеленым цветом указаны имена патентовладельцев, желтым темы исследований



Фиолетовым цветом указано количество патентов по конкретной теме. Темным цветом, у желтой линии связывающей патентообладателя с темой, указано количество патентов патентообладателя по данной теме



- Patents
- Searches
  - General search
  - Number search**
  - Citation search
- My Session
  - Search history
  - Search results
- Past Sessions
  - Previous History
  - Previous Analysis
- My Searches
  - My saved searches
- My Lists
  - Quicklist (0)

Number search

Search Patents...

Search

- Any patent number
- Publication number
- Application number
- Priority number
- Application or Priority number
- Any patent number

Large empty text input area for entering search criteria.

E.g.:US 5,000,000  
08/123,456  
PCT/CCYYY/999999

Enter separated patent numbers or even a text that includes patent numbers.  
No standardization required. Commas, Slashes, Hyphens are accepted.  
If no country code is entered, the system will retrieve every matching patent number regardless of patent office.

- Options
- Detect and display patent numbers
  - Inpadoc Family Search
  - Display Graph
  - Search similar patents

Search Clear

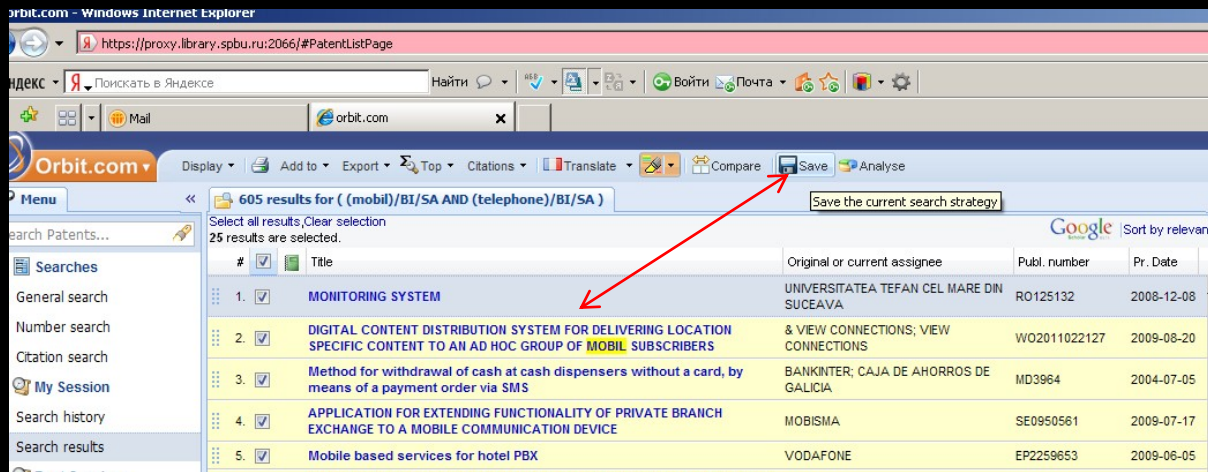
The screenshot shows the Orbit.com Patent Citation Search interface. The left sidebar has 'Citation search' highlighted. The main search area includes a dropdown menu for search criteria, checkboxes for 'Backward', 'Forward', 'Include original patent in result', and 'display graph', and a search box with the example 'E.g.:EP-123456'. The interface also features a top navigation bar and a bottom sidebar with 'My Session', 'Past Sessions', and 'My Searches' sections.

Backward – найдутся все патенты, на которые ссылается патент в поисковом окне  
Forward – найдутся все патенты, которые ссылаются на патент в поисковом окне

- ▲  **My Session**
  - Search history
  - Search results
- ▲  **Past Sessions**
  - Previous History
  - Previous Analysis
- ▲  **My Searches**
  - My saved searches
- ▲  **My Lists** New
  -  Quicklist (0)

**Сохранение результатов поиска,  
результатов анализа,  
Создание рабочих папок ,  
etc**

# My saved Searches



Orbit.com - Windows Internet Explorer

https://proxy.library.spbu.ru:2066/#PatentListPage

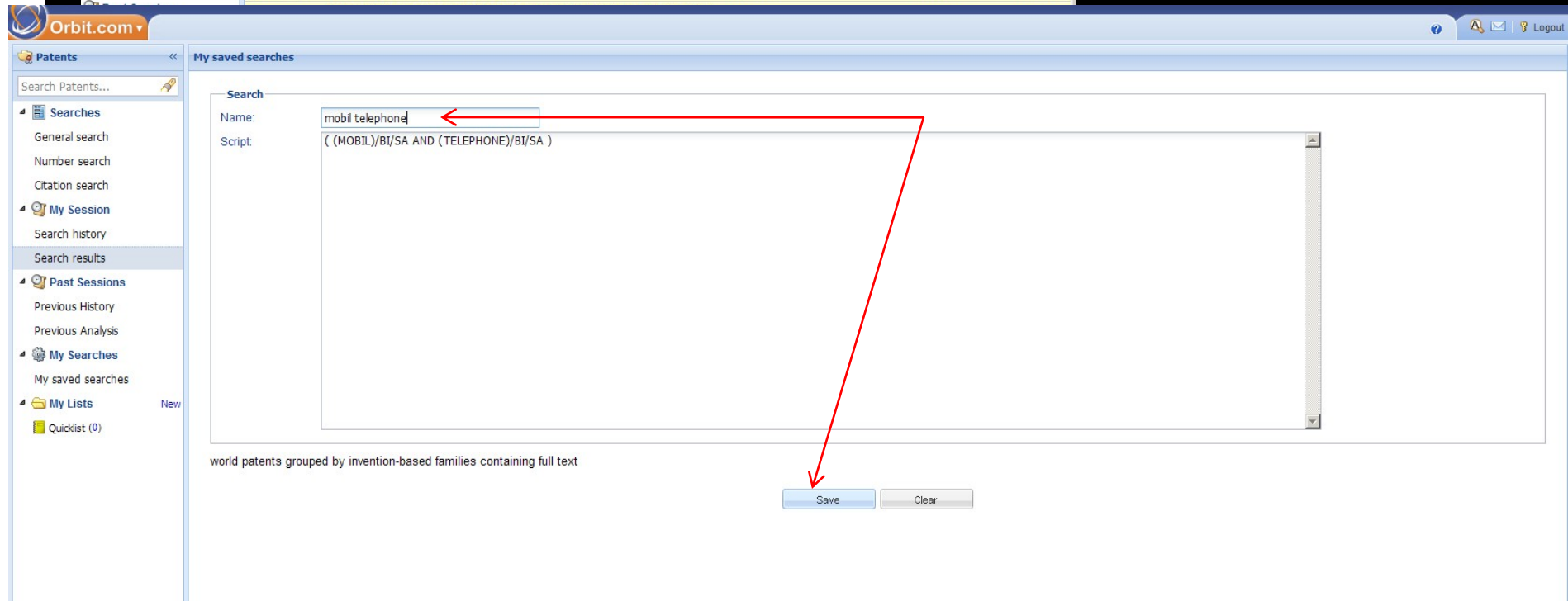
Индекс Поискать в Яндексе Найти Войти Почта

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Menu 605 results for ( (mobil)/BI/SA AND (telephone)/BI/SA ) Save the current search strategy

Select all results, Clear selection 25 results are selected. Google Sort by relevance

#	Title	Original or current assignee	Publ. number	Pr. Date
1.	MONITORING SYSTEM	UNIVERSITATEA TEFAN CEL MARE DIN SUCEAVA	RO125132	2008-12-08
2.	DIGITAL CONTENT DISTRIBUTION SYSTEM FOR DELIVERING LOCATION SPECIFIC CONTENT TO AN AD HOC GROUP OF MOBIL SUBSCRIBERS	& VIEW CONNECTIONS; VIEW CONNECTIONS	WO2011022127	2009-08-20
3.	Method for withdrawal of cash at cash dispensers without a card, by means of a payment order via SMS	BANKINTER; CAJA DE AHORROS DE GALICIA	MD3964	2004-07-05
4.	APPLICATION FOR EXTENDING FUNCTIONALITY OF PRIVATE BRANCH EXCHANGE TO A MOBILE COMMUNICATION DEVICE	MOBISMA	SE0950561	2009-07-17
5.	Mobile based services for hotel PBX	VODAFONE	EP2259653	2009-06-05



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- Previous Analysis

My Searches

- My saved searches

My Lists New

- Quicklist (0)

Search

Name: mobil telephone

Script: ( (MOBIL)/BI/SA AND (TELEPHONE)/BI/SA )

world patents grouped by invention-based families containing full text

Save Clear

# My session/Search History

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https://proxy.library.spbu.ru:2066/#PatentSearchHistoryPage

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Санкт-Петербург +2 USD 28.22 EUR 40.28

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Full Text merged in families (FamPat)

Search Step	Result(s)	Query	Assistant	Source	Action
6	1269	((TELECOMMUNICATON)) OR TELEPHONE)/BVISA AND (((MOBIL)))BVITX AND (((TECHNOLOGIES OR TECHNOLOGY) OR TECHNOLOGI?? OR INGENIEUR? OR INGENIEURIN???) OR TECHNIKER? OR TECHNOLOGISCH???? OR (APPLIED SCIENCE?) OR ENGINEERING? OR (APPLIED SCIENTIST?) OR ENGINEER? OR TECHNOLOGICAL OR TECHNOLOGIST? OR INGENIERIE? OR (SCIENCE? APPLIQUE??) OR TECHNOLOGIE? OR DEPANNEUR?? OR ING? OR INGENIEUR? OR REPARATRICE? OR REPARATEUR? OR (TECHNO?? LOGIQUE?) OR TECHNOLOGIQUE??)/BVITX )	General search	FAMPAT	Show results Modify Save Delete
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4	0	((TELECOMMUNICATON)))/BVISA AND (((MOBIL)))BVITX AND (((TECHNOLOGIES OR TECHNOLOGY) OR TECHNOLOGI?? OR INGENIEUR? OR INGENIEURIN???) OR TECHNIKER? OR TECHNOLOGISCH???? OR (APPLIED SCIENCE?) OR ENGINEERING? OR (APPLIED SCIENTIST?) OR ENGINEER? OR TECHNOLOGICAL OR TECHNOLOGIST? OR INGENIERIE? OR (SCIENCE? APPLIQUE??) OR TECHNOLOGIE? OR DEPANNEUR?? OR ING? OR INGENIEUR? OR REPARATRICE? OR REPARATEUR? OR (TECHNO?? LOGIQUE?) OR TECHNOLOGIQUE??)/BVITX )	General search	FAMPAT	Show results Modify Save Delete
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Combine strategies, E.g.: (1 or 2) not 3, 1 and (phone+)

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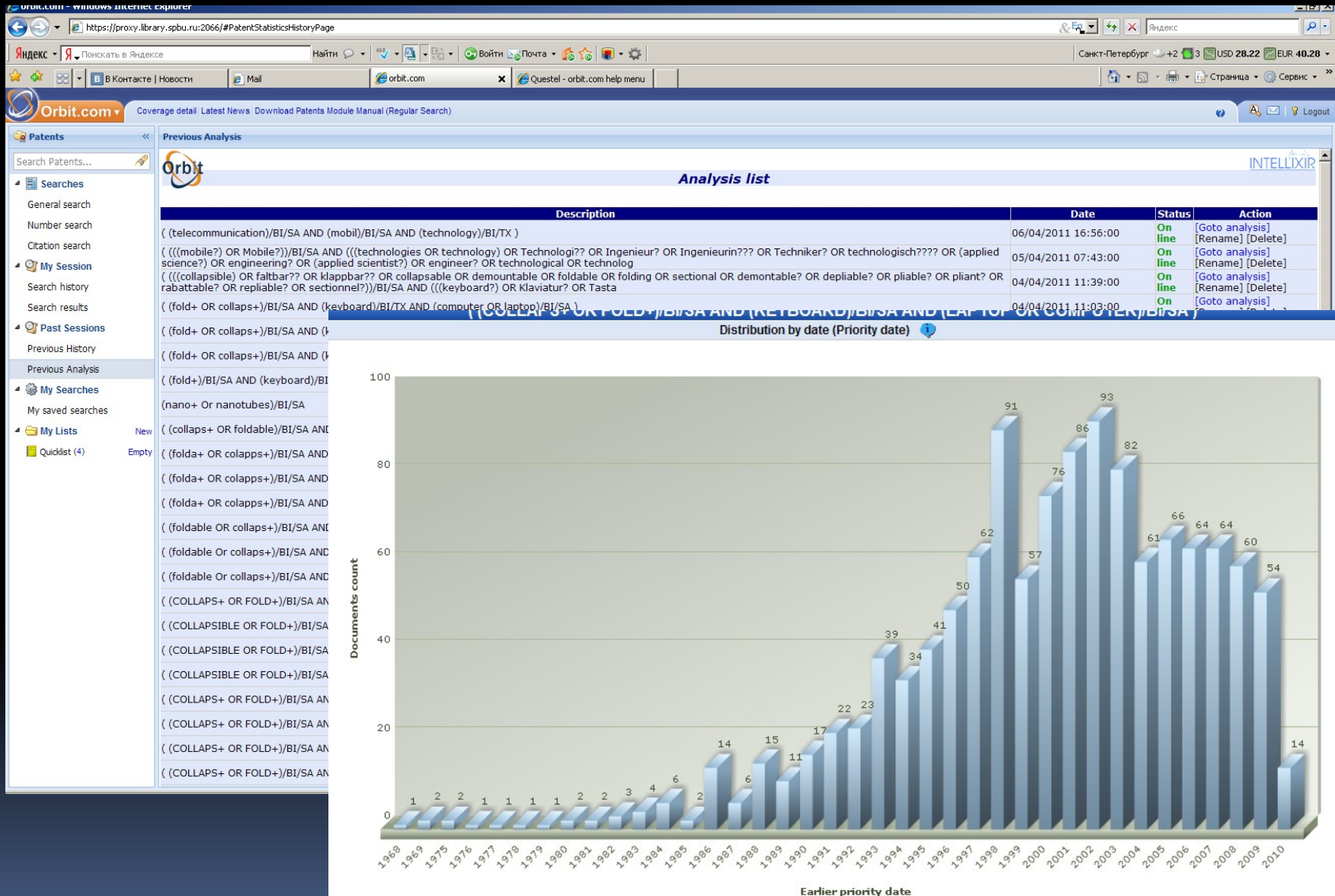
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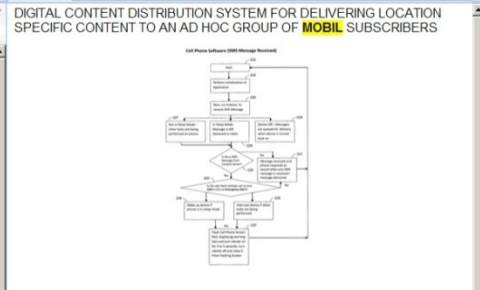
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#	Patent Title	Original or current assignee	Publ. number
1	DIGITAL CONTENT DISTRIBUTION SYSTEM FOR DELIVERING LOCATION SPECIFIC CONTENT TO AN AD HOC GROUP OF MOBILE SUBSCRIBERS	& VIEW CONNECTIONS, VIEW CONNECTIONS	WO2011022127
2	Method for dispatching on airports, (IMPH) and the technical mechanism (IMPH), due to it, in this procedure will cross the flight passenger after arrival at the airport and [Machine Translation]	EAA	DE102008050429
3	INFORMATION SYSTEM HAVING A HAND-HELD INFORMATION DEVICE	SCHULZE HENRIK	DE20200904683
4	INTEGRATED HANDOVER AUTHENTICATING METHOD FOR NEXT GENERATION NETWORK (NGN) WITH WIRELESS ACCESS TECHNOLOGIES AND MOBILE IP BASED MOBILITY CONTROL	ELECTRONICS & TELECOMMUNICATIONS RESEARCH INSTITUTE, KOREA ELECTRONICS & TELECOMMUNICATIONS RESEARCH INSTITUTE	KR20090086116
5	DATA FADING TO SECURE DATA ON MOBILE CLIENT DEVICES	IAN/YWHERE SOLUTIONS	US2009150970
6	SHORT-RANGE COMMUNICATION-ENABLED MOBILE DEVICE, METHOD AND RELATED SERVER ARRANGEMENT	VALTION TEKNIKKIEN	FI0095402
7	ARRANGEMENT FOR AN NFC COMPATIBLE MOBILE DEVICE FOR DELAYED TRANSFER OF AN ESTABLISHED FRIEND CONNECTION AND A RELATED METHOD	VALTION TEKNIKKIEN	FI0095397
8	Mobile terminal and data updating method thereof	LG ELECTRONICS	CA2623033
9	ACCESS TERMINAL AND INDICATION FOR PROXY MOBILE INTERNET PROTOCOL VERSION 6	NOKIA & SIEMENS NETWORKS	WO2009043846
10	UPDATING MOBILE DEVICES WITH ADDITIONAL ELEMENTS	DVAISUFIDERTI, DEVICEFIDELITY	US2009065572
11	Aluminum hollow with [Machine Translation] for the installation of a Sat antenna and a table set with automatic opening of the bearing cup in travel mobile [Machine Translation]	SELLMAIER SEH	DE20200804896
12	Uebepplatz [Machine Translation]	BUSMANN RALF	DE202007015445
13	SEEDING CHALLENGES FOR PAYMENT TRANSACTIONS	VISA	US2008319889
14	UNIVERSAL KEY AND MECHANICAL-ELECTRONIC LOCK WITH STANDARDISABLE COMPONENTS	COUZZI CESIDIO	ITAQ20070006
15	HANDLING OF ABSENCE MESSAGES IN A MOBILE NETWORK INFRASTRUCTURE	TMO KEHAG	SE070834
16	MOBILE COMMUNICATION SYSTEM, BASE STATION DEVICE, AND USER DEVICE AND METHOD	NTT DOCOMO, NTT-HIPPON TELEGRAPH AND TELECOM	WO2008123148
17	A METHOD FOR REDUCING RECEPTION TIMES OF OVERHEAD INFORMATION BY MOBILE MULTIMEDIA BROADCAST TERMINAL	ZTE	CN1960514
18	METHOD AND SYSTEM FOR PROVIDING MOBILE TELEPHONE CALL TERMINATION SERVICE OVER OPEN SEA	KOREA RESEARCH INSTITUTE OF STANDARDS & SCIENCE	KR20080020123
19	WIRELESS COMMUNICATION SYSTEM, APPARATUS, AND METHOD FOR TRANSMITTING INFORMATION TO DESCRIBE NETWORK TOPOLOGY	INSTITUTE FOR INFORMATION INDUSTRY, INSTITUTE INFORMATION INDUSTRY	CA259547
20	METHOD AND SYSTEM FOR DETERMINING MOBILE EMISSIONS REDUCTION CREDITS	GLOBAL GSC, MILLER DAVID, MOBILE GSE	WO2008002615
21	MOBILE COMMUNICATION TERMINAL CAPABLE OF PINPOINTING A TAG'S LOCATION AND INFORMATION PROVIDING SYSTEM AND SERVICE METHOD UTILIZING BOTH OF THEM	SEO DONG WOOK	WO2007145450

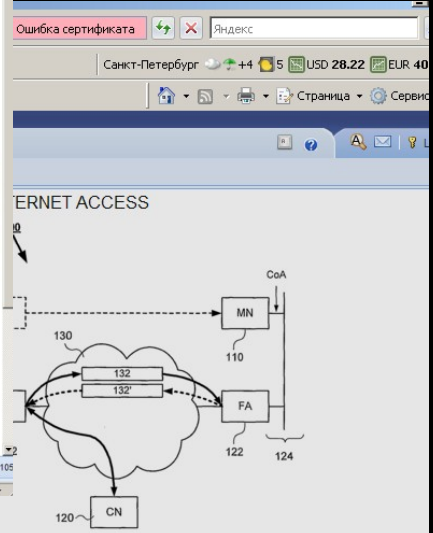
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**AB (WO2011022127)**  
A digital content distribution system and method are disclosed for delivering location specific content to an ad hoc group of mobile subscribers and method of delivering subscriber-requested, location-based content directly to a mobile communication device, such as a cell phone or personal digital assistant (PDA) or other mobile communication device. The system consists of a downloadable application that runs on the subscribers mobile communication devices and communicates with the server-based content composer system. The content composer system manages outgoing content based upon the geographic location reported by the mobile communication device application and the demographic and preference data stored in a subscriber database. Using available messaging technologies, such as Short Message Service (SMS) and Multimedia Messaging Service (MMS) messaging, relevant sponsored content, mobile emergency alerts, and the ability to facilitate 2-way text or voice based services utilizing Global Positioning System mapping is provided to an ad hoc group of subscribers.

**PA** & VIEW CONNECTIONS, VIEW CONNECTIONS

**PAO** E-VIEW CONNECTIONS, LLC; / 2020 Calamos Court, Suite 200, Naperville, IL 60563 (US) (except US); ROHL, Lloyd A.; / 773 Dorale Lane, North Aurora, IL 60542 (US) (only US); HOFFBERG, Nathan, G.; / 440-390 William Cullen Bryant Street, St. Charles, IL 60175 (US) (only US); GRUBER, Daniel, G.; / 1337 Conaflower Road, Graylake, IL 60530 (US) (only US); LAYMAN, Edwin, D.; / 1440 West School Street, Unit A, Chicago, IL 60657 (US) (only US); PENN, Richard, J.; / 2646 Westwide Nw, Grand Rapids, MI 49401 (US) (only US); TORNO, Keith, J.; / 12990 64th Ave, Allendale, MI 49401 (US) (only US)



**AB (EP2245068)**  
The present invention is directed to a method and a mobile node and a node arrangement for performing the method which method is for selecting a connection (224, 314, 316) for a mobile node (310) arranged to operatively communicate with a network node arrangement (312) via a plurality of connections (224, 314, 316). The method comprises the steps of: sending from the mobile node (310) to the network arrangement (312), a first registration request via a first connection of said connections (224, 314, 316), and a second registration request via a second connection of said connections (224, 314, 316), sending from the network arrangement (312) to the mobile node (310) a first registration reply comprising routing cost for the first connection as a response to the first registration request, and a second registration reply comprising routing cost for the second connection as a response to the second registration request, selecting in the mobile node (310) the first connection or the second connection for up link communication from the mobile node to the network arrangement (312) depending on the routing cost for the first connection and the routing cost for the second connection. (From US2010290402 A1)

**IN** BACKMAN JAN

**PA** ERICSSON

**PAH** (EP2245068)  
(A1) ERICSSON TELEFON AB L M (SE)

(WO200984989)  
(A1) ERICSSON TELEFON AB L M (SE); BACKMAN JAN (SE)

(US20100290402)  
BACKMAN JAN; FROM 20080121 TO 20080121 TELEFONAKTIEBOLAGET LM ERICSSON; FROM 20080121

(IN2010KN02737)  
(A) TELEFONAKTIEBOLAGET LM ERICSSON (PUBL) (SE)

Method for registering position, mobile communication system and wireless base station

(EP2242291)

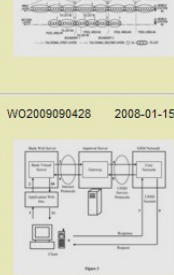
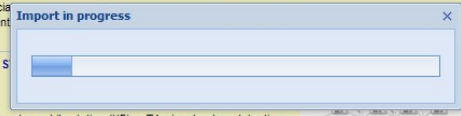
A location registration method according to the present invention, includes: transmitting, at a mobile station (UE), a TA signal, when detecting that the mobile station (UE) has moved out of a TA list with which the mobile station (UE) is already registered by location registration processing; and transferring, from a radio base station (eNB) to an exchange (MME) identified by an exchange ID included in the TAU signal. An exchange ID assigned to a mobile station (#a) belonging to a first layer is different from an exchange ID assigned to a mobile station (#b) belonging to a second layer, even though the same exchange is identified by the exchange IDs. A TA list and a pool area set for the mobile station (#a) is different from a TA list and a pool area set for the mobile station (#b).

**4. MOBILE APPROVAL SYSTEM AND METHOD** VODAFONE; VODAFONE TEKNOLOJİ HİZMETLERİ WO2009090428 2008-01-15

(WO20090428)  
Mobile Approval System and Method is a system and method providing the approval of transactions such as banking, login into sub-networks and e-questionnaire on secured GSM networks in a session-based structure realized over the Internet or similar networks, which are not secured and which require an approval. This invention uses protocols, which the Internet network supports on the unsecured Internet side and the session-based USSD service protocols operating on all mobile telephones on the SS7-based GSM network. A gateway is provided taking over the functioning of an 'Approval Server' between the Internet network and the GSM networks. With this gateway, service requests coming via the Internet network are processed by the interfaces listening to the Internet protocols of the gateway and sent to the GSM networks over USSD (Unstructured Supplementary Service Data). In the proposed method, the user is requested to enter the password or the approval of the menu into the mobile phone, so that with this action there is no need for another interface and as there is only one session open between the user and the bank, nobody else can interfere. Further, in the method proposed, as the approval mechanism is the mobile phone when shopping is realized with a credit card, others will not be able to use the credit card or the information even though they pass into the hands of others.

**5. OPTIMIZED MOBILE INTERNET ACCESS** ERICSSON WO2009084989 2007-12-31

(EP2245068)  
The present invention is directed to a method and a mobile node and a node arrangement for performing the method, which method is for



Спасибо за внимание!

