

# Questel Orbit: патентная база

инструкция

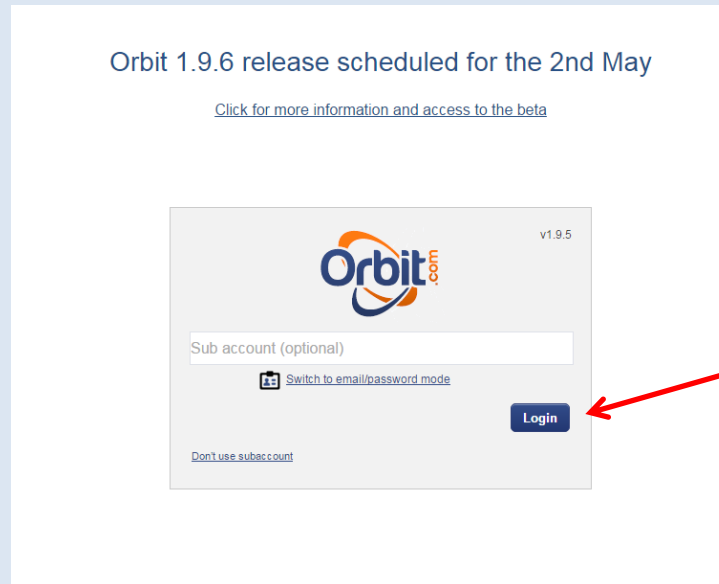
# Патентные базы данных компании Questel

- Крупнейший в мире патентный фонд, содержащий свыше 60 миллионов документов 95 стран и Международных Патентных ведомств;
- оригиналы патентных документов практически всех стран;
- рефераты на английском языке патентных документов наиболее патентуемых стран;

# Патентные базы данных компании Questel

- полные тексты патентных документов США, Франции, Германии, Великобритании, Бельгии, Швейцарии, Австрии, Китая, Японии, Индии, России и др., а также заявки и патенты Международного и Европейского патентных ведомств;
- максимально полная информация о родственных патентах (patent family = патенты-аналоги), включая их юридический статус;
- возможность автоматического перевода найденных документов на любой из 30 языков мира, включая русский, английский, французский, немецкий и др.

# Доступ к базе

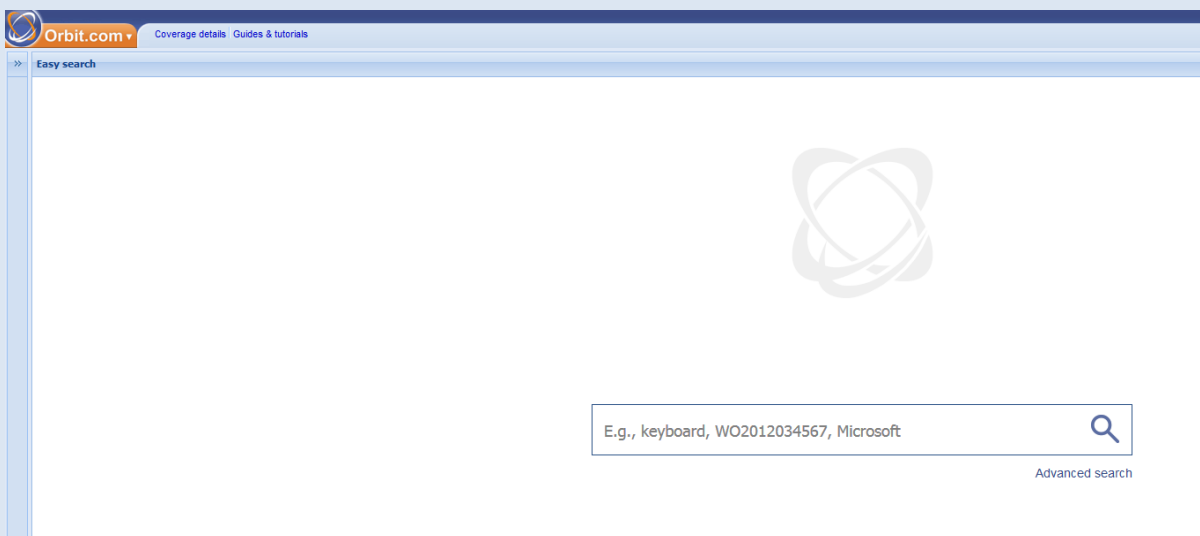


Доступ к базе осуществляется по ссылке:

<https://www.orbit.com>

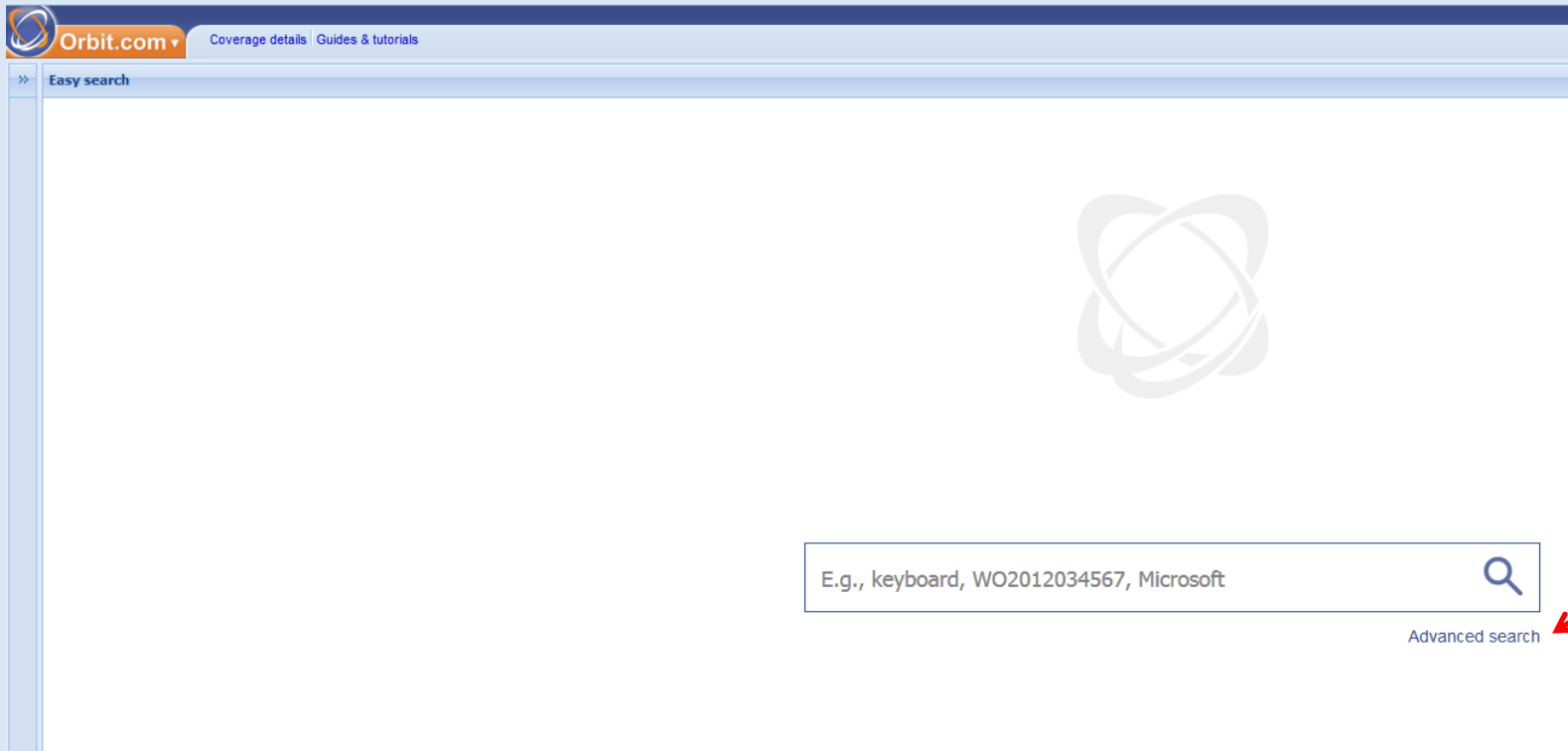
Далее нужно кликнуть по кнопке “Login”, и база автоматически откроется (с компьютеров университета)

# Простой поиск



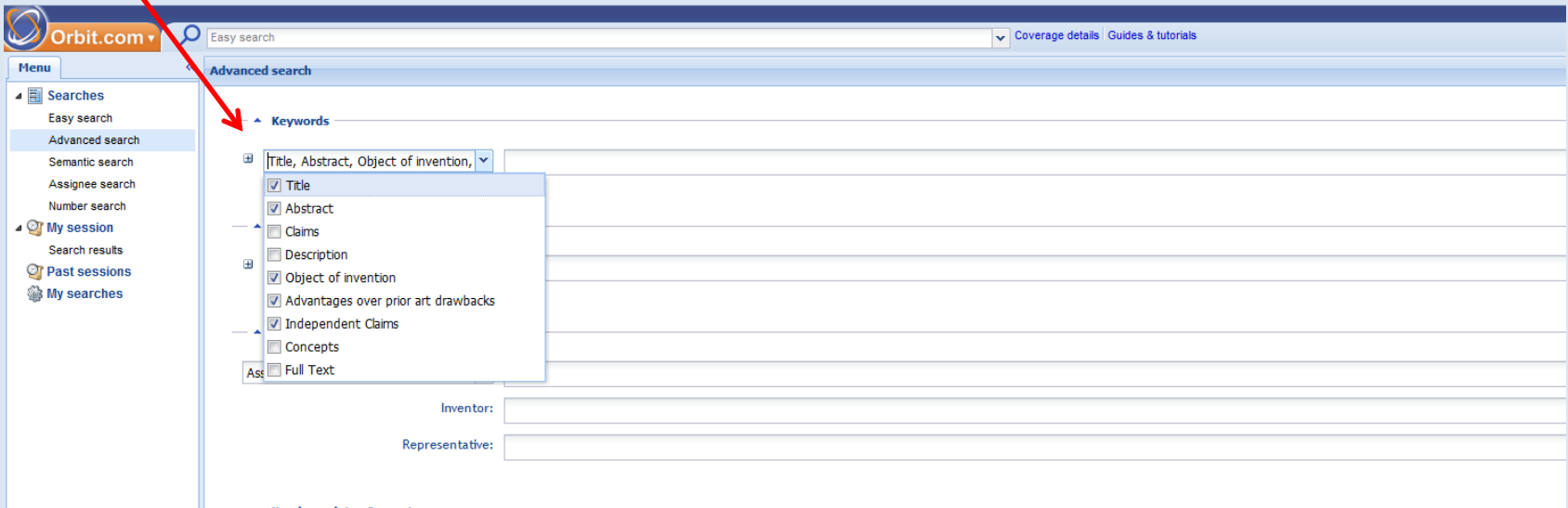
Простой поиск осуществляется через главное поисковое окно, размещенное на стартовой странице системы. Поиск можно производить по любым параметрам: по названию, номеру патента, по названию организации и и т. д.

# Расширенный поиск



Для поиска более детальной информации воспользуйтесь функцией **Advanced search** - Расширенный поиск.

# Параметры поиска



Для поиска по ключевым словам выберите параметр “Keywords” и отметьте поля, в которых будет производиться поиск:

**Title** – Название, **Abstract** – Аннотация, **Claims** – Заявка, **Description** – Описание,

**Object of invention** – Цель изобретения, **Advantages over prior art drawbacks** – Преимущества перед прототипом, **Independent claims** – Независимые пункты, **Concepts** – Понятия, **Full text** – Полный текст.

# Параметры поиска

The screenshot displays the Orbit.com search interface. The 'Advanced search' section is active, showing a search bar and several filters. The 'Classifications' filter is expanded, showing a dropdown menu with 'Technology domain' selected. A red arrow points to this dropdown. Another red arrow points to a small square icon in the search field, which triggers a 'Technology domains' dialog box. The dialog box lists various technology domains such as Chemistry, Electrical engineering, Mechanical engineering, Instruments, and Others, each with a checkbox for selection.

Можно выбрать классификацию: **Technology domain** – Предметная рубрика

Список предметных рубрик открывается после щелчка по квадратику, находящемуся справа от поля.

Также можно выбрать патентные классификации: IPC, CPC и др.



# Параметры поиска

Names

Assignee (original, intermediate, current)   Corporate Tree

Inventor:   E.g.: Fleming Alexar

Representative:   E.g.: Baker Botts

Numbers, dates & country

Legal status

Status:

Поиск по именам – **Names**.

В поисковых полях можно выбрать патентовладельца – **Assignee** (это может быть физическое или юридическое лицо), изобретателя – **Inventor**, представителя – **Representative**.

После щелчка по квадратику справа открываются соответствующие списки:

Assignee Assistant

After the search, select items then click Add to add them to your original query or Replace to replace your original query with the selected items.

Keywords

Assignee:   Siemens

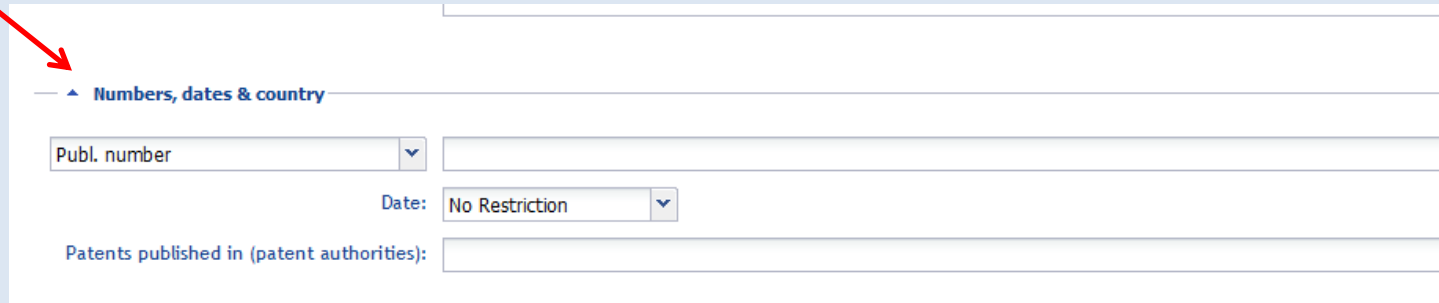
Results

Assignee	Frequency
<input type="checkbox"/> Assignee	
<input type="checkbox"/> LENOURICHEL HENRI	11
<input type="checkbox"/> LENOVA	11
<input type="checkbox"/> LENOVA WANGYU SCIENTIFIC & TECHNOLOGY BEIJ	11
<input type="checkbox"/> LENOVICH	11
<input type="checkbox"/> LENOVO	13607
<input type="checkbox"/> LENOVO BEIJIN	11
<input type="checkbox"/> LENOVO BEIJING LENOVO BEIJING	12
<input type="checkbox"/> LENOVO BEJITSZIN	12
<input type="checkbox"/> LENOVO CHINA	150
<input type="checkbox"/> LENOVO CHINAWEAL SYSTEM & SERVICE	15
<input type="checkbox"/> LENOVO COMP SYSTEM TECHNOLOGY	12

Print Preview...

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# Параметры поиска



— ▲ **Numbers, dates & country**

Publ. number

Date: No Restriction

Patents published in (patent authorities):

Поиск по номеру, дате или стране - **Numbers, dates & country:**

**Publ. number** – Номер публикации

**Appl. number** – Номер заявки

**Priority number** – Приоритетный номер

**Date** – Поиск по дате

**Patents published in (patent authorities)** – страна, где патент был зарегистрирован (сокращенно: RU, EP и т. д.)

# Параметры поиска



Legal status

Status: No restriction (alive or dead) ▼

Legal events: None ▼

Expiration date: No Restriction ▼

Поиск по правовому статусу патентов – **Legal status**

**Status:**

**Alive** – Действующий

**Dead** – Недействующий

**Legal events** – Правовые события

**Expiration date** – Срок действия

# Параметры поиска



The screenshot shows the Orbit.com search interface. The top navigation bar includes the Orbit.com logo, a search input field with the text "Easy search", and links for "Coverage details" and "Guides & tutorials". A left-hand menu is visible, with the "Semantic search" option highlighted in blue and indicated by a red arrow. Below the menu, the "Semantic search" page is displayed, featuring a large text input area labeled "Free text" with a help icon. Below the input area, there is a note: "Describe the technology you want to search in plain english or copy and paste the content from another document. At least a paragraph of text is expected." and a red warning: "Non English text will be sent to a 3rd party for translation". At the bottom right of the input area, there are "Clear" and "Next >>" buttons.

## Semantic search – Семантический поиск

В данное поле можно вводить отрывки текста (как минимум абзац) на любом языке.

# Ограничение результатов поиска

Orbit.com Easy search

38178 results for (keyboard)/TI Collection: FAMPAT

Filter options

- Legal status
  - Alive (13032)
  - Dead (25107)
- 1st application year
  - After 2015 (3)
  - 2011-2015 (8878)
  - 2006-2010 (7148)
  - 2001-2005 (5779)
  - Before 2001 (16370)
  - More...
- Assignee
  - YAMAHA (1185)
  - NEC (732)
  - KAWAI MUSICAL INSTRUMENTS MANUFACTURING (677)
  - DARFON ELECTRONICS (639)
  - SAMSUNG ELECTRONICS (477)
  - More...
- Publication country
  - CN (13738)
  - JP (8976)
  - US (8899)
  - KR (3492)
  - DE (3315)
  - Add multiple countries...
  - More...

#	Title	Publication number	1st App. date	Applicant/Assignee	Relevance
1	Apparatus, with oil damper, for opening and closing fall board of musical keyboard instrument	WO9520211	1994-01-21	KAWAI GATSUK...	100 %
2	Device for adjusting the angle of a keyboard	DE9218453	1992-09-28	FUJITSU SIEMEN...	97 %
3	Keyboard instrument	WO2005124737	2004-06-21	TAKASHI YOSHI...	97 %
4	Functional performance of keyboard musical instruments: apparatus, method and computer program product	US2004231501	2003-05-20	CREATIVE TECH...	97 %
5	Keyboard for musical instrument	WO200219316	2001-08-24	TOKYO STEEL	97 %
6	Antibacterial keyboard	WO9635205	1995-05-01	KAWAI MUSICA...	97 %
7	Keyboard assembly keyboard assembly	TH18869	1995-03-24	WOOD SIT SITE ...	97 %
8	Keyboard	WO9406139	1993-07-15	KEY TRONIC; ML...	97 %
9	Computer keyboard with cantilever switch design and improved pcb/switch membrane interface.	WO9405027	1992-08-18	KEY TRONIC	97 %
10	Computer keyboard with electrostatic discharge feature	WO9404012	1992-07-29	KEY TRONIC	97 %
11	Control of input devices via a keyboard interface	WO9402892	1992-07-17	FUJITSU SIEMEN...	97 %
12	Keyboard with a keyboard and repeating mechanics for the change of the attack resistance	DE3918880	1989-06-09	MAURI, DIETER, ...	96 %
13	Universal keyboard	US2003052164	2002-09-19	COUNCIL OF SCI...	95 %
14	Soft keyboard control	US2010141590	2008-12-09	MICROSOFT; MIC...	95 %
15	Tactile or haptic simulation device and musical keyboard including at least a similar simulation device	WO2007144349	2006-06-14	CEA - COMMISS...	95 %
16	Portable electronic musical keyboard instrument	WO2007112590	2006-04-05	BRUN MARIO	95 %
17	Keyboard assembly	US2006180450	2006-02-10	ADVANCED INP...	95 %
18	Keyboard with digital audio	US2004233073	2003-05-23	CREATIVE TECH ...	95 %
19	Keyboard codes filter	HRP20030016	2003-01-10	CRNEKOVIC ML...	95 %
20	Illuminated keyboard switch	EP1235240	2001-02-26	PANASONIC	95 %
21	Pc-keyboard/mouse combination with a 9-palpaton mouse and a changed keyboard to faster and more comfortable work with the pc	DE9319422	1993-12-17	BRUETTING JOSEF	95 %
22	Stand, especially keyboard stand	DE9313078	1993-08-31	MALIZIA MARIO; ...	95 %
23	Loudspeaker apparatus for electronic keyboard musical instrument	DE4239591	1992-03-24	KAWAI MUSICA...	95 %
24	Keyboard, has device dynamically dividing keyboard regions, where pre-defined instrument sound is produced in part of keyboard that is contained in right hand or left hand of musician hand while playing music	DE102012012066	2012-06-15	MOHRLOK WER...	94 %
25	Desk containing a keyboard of electronic organ	KR19980019371	1998-03-12	PARK JANG WON	94 %

Используя фильтры слева, можно ограничить результаты поиска. Фильтры можно добавлять или убирать (см. ссылку Filter options).

# Информация о патенте

Orbit.com

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Menu Detail

Translate

## Keyboard instrument

**Abstract**  
(EP1760691)  
[OBJECT] To provide a keyboard instrument that is easy for a beginner to use and less in the cost.  
[MEANS FOR SOLVING] A keyboard instrument 10 includes a keyboard portion 4 constituted only of keyboards 21 in which tone intervals are arranged from a beginner from a keyboard instrument 10, the respective keyboards 21 are arranged. Thereby, while securing the respective keyboards 21 necessary for a keyboard instrument 10 can be reduced, the lower cost can be achieved.(see diagram)

**List of publications**

Publication number	Publ. date	Appl. Number	Appl. Date	Document
PCT WO2005124737	2005-12-29	2004WO-JP08717	2004-06-21 A1 - Pt	
KR20060040685	2006-05-10	2006KR-7000991	2006-01-16 A - Pul	
US2006156908	2006-07-20	2004US-10563283	2004-06-21 A1 - A	
CN1820303	2006-08-16	2004CN-80019394	2004-06-21 A - Pul	
EP1760691	2007-03-07	2004EP-0746186	2004-06-21 A1 - A	
KR100708806	2007-04-18	2006KR-7000991	2006-01-16 B1 - Pt	
JP3986547	2007-10-03	2006JP-0514637	2004-06-21 B2 - Pt	
CN1820303	2010-06-09	2004CN-80019394	2004-06-21 B - Gr	
EP1760691	2010-07-07	2004EP-0746186	2004-06-21 A4 - S	
EP1760691	2013-10-23	2004EP-0746186	2004-06-21 B1 - Pt	

**Inventor** YOSHIMINE TAKASHI  
**Assignee** TAKASHI YOSHIMINE  
YOSHIMINE TAKASHI  
Yoshi Mine  
**Representative** (EP1760691)  
Arends, William Gerrit ; Marks & Clerk LLP [GB]  
Reg. Nb: 100048854  
(US20060156908)  
RADER FISHMAN & GRAUER PLLC [US]  
(WO2005124737)  
OMORI, Junichi [JP]

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На верхней панели – переключение между частями патента

Текст патента можно перевести на любой язык (щелкнуть по кнопке Translate и выбрать язык перевода)

Слева приведены патенты-аналоги (рядом стоит флаг государства, которому принадлежит патент)

# Информация о патенте

Orbit.com

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Menu Detail

Biblio Claims Description Key content Concepts Fulltext Kwic Legal status Citations

5 / 38178 - FamPat family

Translate

### Keyboard for musical instrument

**Abstract**  
(EP1282111)

An extremely easy-to-play **keyboard** for musical instrument capable of forming any **keyboard** rows such as a semitone arrangement or a diatessaron arrangement and a chord arrangement with one **keyboard** substrate, wherein the **keyboard** substrate is formed so that the **keyboard** is formed by disposing, parallel with each other, a large number of key substrates (1) extending in the longitudinal direction of the **keyboard** with a difference of semitone, installing a plurality of key top mounting parts (5) on each key substrate (1) in the longitudinal direction, and installing the key tops (4) on any key top mounting parts, or by combining various types of **keyboard** rows with each other, or disposing the keys positioned adjacent laterally to each other in all or a part of the **keyboard** rows with a difference of minor third and those positioned adjacent longitudinally to each other with a difference of whole tone in the direction from the front side to the right rear side.

List of publications

Publication number	Publ. date	Appl. Number	Appl. Date	Document type
PCT WO200219316	2002-03-07	2001WO-JP07286	2001-08-24 A1	Published application with search report
AU8016301 A	2002-03-13	2001AU-0080163	2001-08-24 A	Open to public inspection
CN1394330 A	2003-01-29	2001CN-0803297	2001-08-24 A	Published application
EP1282111 A1	2003-02-05	2001EP-0958490	2001-08-24 A1	Application published with search report
US2003121398 A1	2003-07-03	2002US-10296675	2001-08-24 A1	Application published
EP1282111 A4	2004-06-23	2001EP-0958490	2001-08-24 A4	Supplementary search report
CN1174369 C	2004-11-03	2001CN-0803297	2001-08-24 C	Granted patent for invention
US2005098017 A1	2005-05-12	2004US-11017071	2004-12-20 A1	Application published
US2005098026 A1	2005-05-12	2004US-11017437	2004-12-20 A1	Application published
JP3738007 B2	2006-01-25	2002JP-0524137	2001-08-24 B2	Published granted patent (Second level) from 01-03-1996 onwards (Published examined patent application (Second level) 1971-1996)
EP1282111 B1	2006-07-05	2001EP-0958490	2001-08-24 B1	Patent specification
AT332559 T	2006-07-15	2001AT-0958490T	2001-08-24 T	EP patent valid in AT
DE60121326 D1	2006-08-17	2001DE-6021326	2001-08-24 D1	Grant (no unexamined application published) patent law 81
US7154033 B2	2006-12-26	2004US-11017437	2004-12-20 B2	Granted patent as second publication
ES2267801 T3	2007-03-16	2001ES-0958490T	2001-08-24 T3	Translation of granted European patent (former B3)
DE60121326 T2	2007-07-05	2001DE-6021326	2001-08-24 T2	Trans. of EP patent

Inventor: MUTOU NORITAKA  
Assignee: TOKYO STEEL

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Publication icons: PDF, HTML, XML, etc.

Напротив патента есть ссылка на документ в формате pdf. Также есть функция сравнения патентов (**Compare with another document**) и построения диаграмм, отражающих цитирования патентов (**Graph Citations**).