Dissemination and Effective Utilization of Patent Information
Initiatives on High Value-added Patent Information service by Commercial Data Base vendors

Patent Information Service
Introducing NRI Cyber Patent Desk
～Visualising JP Patent Legal Status and Other Features～

Tokyo, 5th November 2015
NRI Cyber Patent, Ltd.
Seiji Takano
President & CEO
NRI Cyber Patent, Ltd.

- **Company Name**: NRI Cyber Patent, Ltd.
- **HQ Address**: Shin-Otemachi Bldg.
  2-2-1 Otemachi, Chiyoda-ku,
  Tokyo
- **Nature of Business**:
  1. Intellectual Property Information Services
  2. Intellectual Property Software Development & Sales
  3. Intellectual Property Consulting & Training Services
- **URL**: http://www.patent.ne.jp/
- **100% owned by Nomura Research Institute (NRI)**
- **1996 NRI launched the 1st Internet-based JP Patent data search service**
- **2001 NRI Cyber Patent was formed and spun off from the parent company**
NRI Cyber Patent Desk

Online Patent Information

Approx. 3000 entities are users, including:
Companies, Patent Law Firms, Patent Search Firms, EPO, and the JPO.
# Data Contents

**Patent, Utility, Legal Status, Patent Family, Technical Reports**

<table>
<thead>
<tr>
<th>Country</th>
<th>Data Type</th>
<th>Information</th>
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<tbody>
<tr>
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<td>Application / Utility</td>
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<td>DOCDB: Patent Family</td>
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Search Screenshot

User-friendly Interface for Patent Specialists, Researchers, and Inventors
<table>
<thead>
<tr>
<th>No.</th>
<th>特許</th>
<th>出願番号</th>
<th>公開号</th>
<th>出願人</th>
<th>要約</th>
<th>請求の範囲</th>
<th>代表図</th>
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</table>
| 1   | 特願2015-41024 | 008F9050 | 特開2015-127674 | 栃木県民 | 仮想サーバー管理システム  
【課題】仮想サーバーにおける処理速度向上に関する、個々のジョブを実行するのに最適な仮想サーバーを特定し、当該仮想サーバーにジョブを割り当てる技術の開発。  
【解決手段】物理サーバーの複数の仮想サーバーと管理サーバーの関係を用いて、OSのインストールされた仮想サーバーの開始、停止、制御を行なう。  
【実施例】サーバーの状態を監視することで、仮想サーバーの状態を把握し、必要に応じて仮想サーバーを開始・停止する。|
| 2   | 特願2015-87724 | 008O3008 | 特開2015-139191 | 栃木県民 | 販売機関損失分析用データ処理システム及び方法  
【課題】現状の監視カメラ群により得られるデータを活用し、販売店舗の監視カメラによる異常を高精密度で検知する。  
【解決手段】監視カメラを活用し、異常を検知する。  
【実施例】監視カメラを活用し、異常を検知する。|
| 3   | 特願2014-604826 | 008F1200 | 特開2013-136442 | 栃木県民 | データ処理システム  
【課題】APサーバーを用いたDBサーバシステムが障害によって停止した場合、DBサーバーのデータを復元する方法を検討する。  
【解決手段】APサーバーを用いたDBサーバシステムが障害によって停止した場合、DBサーバーのデータを復元する方法を検討する。  
【実施例】APサーバーを用いたDBサーバシステムが障害によって停止した場合、DBサーバーのデータを復元する方法を検討する。|
| 4   | 特願2015-04966 | 008C | 特開2015-136442 | 栃木県民 | 時限データの管理  
【課題】時限データを管理する方法を検討する。  
【解決手段】時限データを管理する方法を検討する。  
【実施例】時限データを管理する方法を検討する。|
### Screenshot of Search Results

**Citing, Cited, Number of Times Viewed, and Patent Family**

<table>
<thead>
<tr>
<th>全選択</th>
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<th>抄録連続表示 (HTML)</th>
<th>開始</th>
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<td>筆頭IPC</td>
<td>出願人</td>
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<td>□ 特開2000-11417</td>
<td>G11B 7/125</td>
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<tr>
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<td>G06F 3/00 601</td>
<td>株式会社東芝</td>
<td></td>
</tr>
</tbody>
</table>

**The list of citing and cited documents**

**Number of Times Viewed**

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Copyright (C) NRI Cyber Patent, Ltd. All rights reserved.
Screenshot of Abstract

Bibliography, Abstract, Main Drawing
Screenshot of Legal Status Flow

- **Process of Legal Status Flow**

- **The left-hand boxes show a standard flow**

- **The central ‘Blue’ box shows where the JPO rejects an application.**

- **The right-hand boxes show the lapsed status**

- **Template automatically shows flow reflecting changes in laws or policies**

Clicking on blue box shows more information in right-hand frame
Legal Status Flow (English / Japanese)
From 1970 onwards: Unexamined publications, requests for examination, and priority claims
1994 Law

1994 onwards KOKOKU annulled

2001 Law

2001 onwards Notice of Opposition annulled

[経過情報表示画面に戻る]  [経過情報の更新情報]
Legal Status Flow (Under Existing Laws)
Conceptual Search (JP/US)

Our conceptual search software can interpret sentences and not just keywords.
Similarity Search (JP/US)

Instantly displays patents that are similar to the one selected, in just one click.
TRUE TELLER (Patent Portfolio Analysis)
Analysis Map

Every application is plotted based on key words.
The areas in red have higher density.
Example of analysis of display technologies using PCT data
Analysis of historical evolution, year by year

1999年(555)

2000年(1361)

2001年(1683)

2002年(1737)

2003年(1789)

2004年(1881)
Analysis of filing activities by companies

P (966)  M (373)  S (125)

T (68)  I (74)  s (40)
About NRI Cyber Patent
Corporate Philosophy

In the field of intellectual property, NRI Cyber Patent serves as your Full Support Partner

Our management philosophy
Support clients’ business activities that are based on utilizing intellectual property, so as to contribute to developing the Japanese industry
Aim to become a reliable company that clients contact first

The NRI Group's Corporate Philosophy

**Mission (Roles to fulfill for society, customers, etc.)**
To society: Discerning new social paradigms and assuming the role of implementing such paradigms.
To clients: Building customer trust and prospering together with customers.

**Business domain (Means of implementing the mission)**
Self-definition: Company creating future society
Service definition: Knowledge creation and integration

**Management goals (Independent management style)**
Pursuing the maximization of corporate value through "Navigation & Solutions"

**Action guidelines (Standards guiding employees in conducting business activities)**
Continuing never-ending challenges with pride of true professionals

<table>
<thead>
<tr>
<th>Group Companies</th>
<th>NRI Netcom, Ltd.</th>
<th>NRI SecureTechnologies, Ltd.</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Web business systems &amp; Web brand strategies</td>
<td>Information security solutions</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>NRI Workplace Services, Ltd.</th>
<th>Workplace-related Services for NRI Group Companies</th>
</tr>
</thead>
<tbody>
<tr>
<td>NRI Data i Tech, Ltd.</td>
<td>IT infrastructure development and management support</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>NRI Cyber Patent, Ltd.</th>
<th>Intellectual Property Information Services</th>
</tr>
</thead>
<tbody>
<tr>
<td>NRI Social Information System Services, Ltd.</td>
<td>Supporting Community and Work Activities for Seniors</td>
</tr>
<tr>
<td>NRI Process Innovation, Ltd.</td>
<td>Business Process Outsourcing Services</td>
</tr>
<tr>
<td>NRI System Techno, Ltd.</td>
<td>Planning, Development, and Operations for Ajinomoto Group Information Systems</td>
</tr>
<tr>
<td>DSB Co., Ltd.</td>
<td>Middle and Back-office services for securities and financial institutions</td>
</tr>
</tbody>
</table>

The NRI Group's Corporate Philosophy mission is to fulfill roles for society and customers, aiming to build trust and prosper together. The business domain involves creating future society through knowledge creation and integration. Management goals focus on maximizing corporate value through "Navigation & Solutions." Action guidelines involve continuing challenges with pride of professionals.
## Corporate History of NRI Cyber Patent

<table>
<thead>
<tr>
<th>Year</th>
<th>Month</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>1996</td>
<td>Dec</td>
<td>Started a pilot service on patents called “NRI Cyber Patent Desk” (Japan’s first internet service for patent information)</td>
</tr>
<tr>
<td>1997</td>
<td>Jun</td>
<td>Launched the full-fledged services of “NRI Cyber Patent Desk”</td>
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<tr>
<td></td>
<td>Oct</td>
<td>Launched a SDI search service* (Japan’s first internet service of this kind)</td>
</tr>
<tr>
<td>1998</td>
<td>Apr</td>
<td>Launched a service to search for official gazettes before official gazettes in electronic format started</td>
</tr>
<tr>
<td></td>
<td>Oct</td>
<td>Launched a service to search for concepts (Japan’s first service for patent information of this kind)</td>
</tr>
<tr>
<td>2000</td>
<td>Jul</td>
<td>NRI Cyber Patent, Ltd. was established (a wholly owned subsidiary of Nomura Research Institute)</td>
</tr>
<tr>
<td>2001</td>
<td>Jul</td>
<td>Started to sell a tool that analyzes text-mining on patents, called “TRUE TELLER patent portfolio”</td>
</tr>
<tr>
<td>2005</td>
<td>Aug</td>
<td>Launched service to search for the latest republications* (Japan’s first service of this kind)</td>
</tr>
<tr>
<td></td>
<td>Oct</td>
<td>Launched a service to monitor procedures for entering the national phase* (Japan’s first service of this kind)</td>
</tr>
<tr>
<td>2007</td>
<td>Nov</td>
<td>Launched a service called “NRI Cyber Patent Desk 2” that revised and strengthened the overall functions of information sharing and workflow bases</td>
</tr>
<tr>
<td>2008</td>
<td>Dec</td>
<td>Launched an electronic time stamp service called “Cyber Date Stamp”</td>
</tr>
<tr>
<td>2010</td>
<td>Aug</td>
<td>Acquired an IP management system called “TORAM” from Infocom Corporation</td>
</tr>
<tr>
<td>2012</td>
<td>Oct</td>
<td>Launched an online service of “TRUE TELLER Patent Portfolio”</td>
</tr>
<tr>
<td>2013</td>
<td>Feb</td>
<td>Acquired copyright rights for the PATOLIS data on abstracts of patents</td>
</tr>
<tr>
<td>2015</td>
<td>Jan</td>
<td>Obtained ISO/IEC27001 certification</td>
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<tr>
<td></td>
<td>Jan</td>
<td>Started an IP management system called “TOPAM NV” that strengthened the overall functions involved with linking information</td>
</tr>
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### Breakdown of clients by industry:

- Electric appliances: 16%
- Machinery: 21%
- Chemistry/Medical services/Foods: 26%
- Metal/Construction/Other manufacturing: 8%
- Patent firm/Research company: 6%
- Information and communications/Services: 15%
- Universities and research institutes: 8%

*selective dissemination of information

(China Times Business Information Co., Ltd. 2022)
Relationships among NRI Cyber Patent Businesses

**IT solutions for intellectual property (IP)**

- **Information service**
- **Analysis tool**
- **TRUE TELLER Patent portfolio**

**NRI Cyber Patent Desk 2**
- Linking information bases / Unifying information of our own company and others
- Sharing and utilizing analysis results, such as distributing SDI maps

**Management system**
- Cross-cutting analysis on published/unpublished information

**TOPAM**
- Total Patent Management System

**Research and consulting on intellectual property**
- Research on technologies and patents
- Intellectual property strategy
- IP education/e-learning
- Outsourcing services for business activities involved with intellectual property
- Assessing and evaluating business activities involved with intellectual property
Thank you for listening.

NRI Cyber Patent

Full Support Partner

www.patent.ne.jp