Patentics 日本数据库上线(和日本专利局 PAJ 系统对比)

经过 Patentics 开发人员的努力,日本专利全文英文翻译数据库终于正式上线运行。Patentics 收录 1993 年至今的日本专利英文翻译全文(标题和摘要数据为人工翻译数据,权利要求和描述为机器翻译数据),并提供全文检索和分析功能,以及图文显示和 PDF 浏览等功能。

相比于使用日本专利局的 PAJ 检索系统进行日本专利检索,Patentics 检索系统提供了更多的检索方式和分析方法:

1. Patentics 检索系统配置强大的语义检索引擎,同时具有丰富的分析功能:

图 1. 利用 Patentics 检索系统检索日本专利

如图 1 所示,利用 Patentics 可以很方便的检索出和给定关键词/语句最相关的专利,同时 Patentics 检索界面提供丰富的分析功能,可以让用户快速获取所需要的信息,提高检索效率。

2. 日本专利局的 PAJ 系统检索界面十分简陋，检索手段单一：

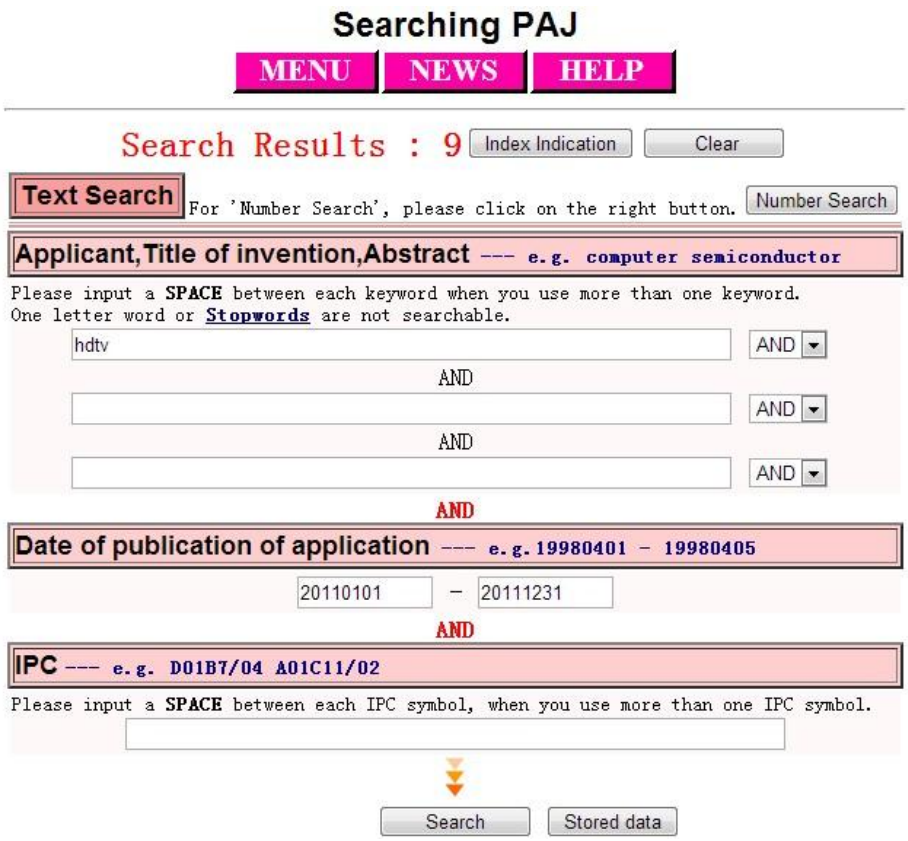


图 2. PAJ 检索系统界面

日本的 PAJ 系统中，只支持简单的关键词组合（AND/OR）检索，公开日区间检索，IPC 分类检索以及公开号检索（Number Search）等功能；而 Patentics 检索系统不仅支持关键词组合（AND/OR/ANDNOT）检索，还支持公开日区间、IPC 分类、公开号、申请号、标题、摘要、发明人、申请人等等十分丰富的检索功能，以及各种检索表达式的组合检索。

3. 日本专利局的 PAJ 系统只支持标题和摘要的文本检索，而 Patentics 系统支持全文文本检索：

MENU SEARCH

[1-9/ 9] No. JUMP

No.	Publication No.	Title
1.	2011 - 223381	VIDEO SIGNAL TRANSMISSION DEVICE
2.	2011 - 172221	METHOD AND APPARATUS FOR CONSTITUTING OF SUBTITLE
3.	2011 - 142649	METHOD AND APPARATUS FOR COMPOSITION OF SUBTITLES
4.	2011 - 139496	METHOD AND APPARATUS FOR COMPOSITION OF SUBTITLES
5.	2011 - 066898	RUN-LENGTH CODING OF BIT MAP DATA
6.	2011 - 035919	CONCATENATED EQUALIZER/TRELLIS DECODER ARCHITECTURE FOR HDT RECEIVER
7.	2011 - 030056	VIDEO SIGNAL PROCESSING APPARATUS, AND CAMERA SYSTEM
8.	2011 - 029773	VIDEO SIGNAL TRANSMITTING APPARATUS
9.	2011 - 024219	RUN-LENGTH ENCODING AND DECODING OF BITMAP DATA

图 3. 利用 PAJ 检索 2011 年公开的包含"hdtv"的文本的专利

(ttl/hdtv or abst/hdtv) and isd/2011 Search Help | BBS Search Filter

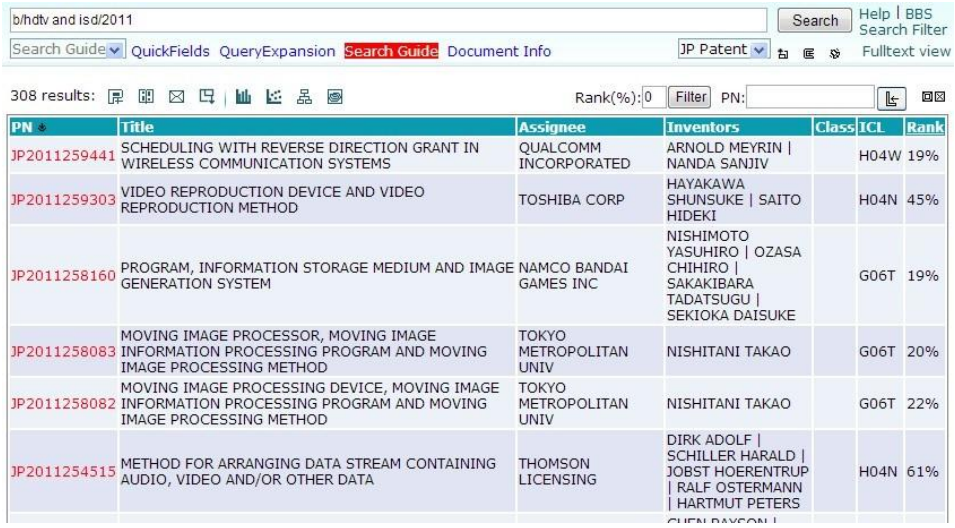
Search Guide QuickFields QueryExpansion Search Guide Document Info JP Patent Fulltext view

9 results: Rank(%): 0 Filter PN:

PN	Title	Assignee	Inventors	Class	ICL	Rank
JP2011223381	VIDEO SIGNAL TRANSMISSION DEVICE	HITACHI KOKUSAI ELECTRIC INC	KATO AKIHIRO		H04N	59%
JP2011172221	METHOD AND APPARATUS FOR CONSTITUTING OF SUBTITLE	THOMSON LICENSING	ADOLPH DIRK | HOERENTRUP JOBST | OSTERMANN RALF | PETERS HARTMUT | SCHILLER HARALD		H04N	57%
JP2011142649	METHOD AND APPARATUS FOR COMPOSITION OF SUBTITLES	THOMSON LICENSING	ADOLPH DIRK | HOERENTRUP JOBST | OSTERMANN RALF | PETERS HARTMUT | SCHILLER HARALD		H04N	59%
JP2011139496	METHOD AND APPARATUS FOR COMPOSITION OF SUBTITLES	THOMSON LICENSING	ADOLPH DIRK | HOERENTRUP JOBST | OSTERMANN RALF | PETERS HARTMUT | SCHILLER HARALD		H04N	57%
JP2011066898	RUN-LENGTH CODING OF BIT MAP DATA	THOMSON LICENSING	ADOLPH DIRK | HOERENTRUP JOBST | KOCHALE AXEL | OSTERMANN RALF | PETERS HARTMUT		H04N	55%
JP2011035919	CONCATENATED EQUALIZER/TRELLIS DECODER ARCHITECTURE FOR HDTV RECEIVER	THOMSON LICENSING	HEO SEO WEON | PARK JEONGSOON | GELFAND SAUL BRIAN | MARKMAN IVONETE		H04B	24%
JP2011030056	VIDEO SIGNAL PROCESSING APPARATUS, AND CAMERA SYSTEM	HITACHI KOKUSAI ELECTRIC INC	TORII TADAYOSHI		H04N	57%
JP2011029773	VIDEO SIGNAL TRANSMITTING APPARATUS	HITACHI KOKUSAI ELECTRIC INC	KATO AKIHIRO		H04N	59%
JP2011024219	RUN-LENGTH ENCODING AND DECODING OF BITMAP DATA	THOMSON LICENSING	ADOLPH DIRK | HOERENTRUP JOBST | KOCHALE AXEL | OSTERMANN RALF | PETERS HARTMUT		H04N	54%

图 4. 利用 Patentics 检索 2011 年公开的包含"hdtv"的文本的专利（标题和摘要检索）

如图 3 和图 4 所示，通过 Patentics 检索系统进行标题和摘要字段的文本检索，可以获得和 PAJ 检索系统一样的检索结果。而通过 Patentics 全文检索系统可以获取更多的检索结果（如图 5 所示）。



PN	Title	Assignee	Inventors	Class	ICL	Rank
JP2011259441	SCHEDULING WITH REVERSE DIRECTION GRANT IN WIRELESS COMMUNICATION SYSTEMS	QUALCOMM INCORPORATED	ARNOLD MEYRIN | NANDA SANJIV		H04W	19%
JP2011259303	VIDEO REPRODUCTION DEVICE AND VIDEO REPRODUCTION METHOD	TOSHIBA CORP	HAYAKAWA SHUNSUKE | SAITO HIDEKI		H04N	45%
JP2011258160	PROGRAM, INFORMATION STORAGE MEDIUM AND IMAGE GENERATION SYSTEM	NAMCO BANDAI GAMES INC	NISHIMOTO YASUHIRO | OZASA CHIHIRO | SAKAKIBARA TADATSUGU | SEKIOKA DAISUKE		G06T	19%
JP2011258083	MOVING IMAGE PROCESSOR, MOVING IMAGE INFORMATION PROCESSING PROGRAM AND MOVING IMAGE PROCESSING METHOD	TOKYO METROPOLITAN UNIV	NISHITANI TAKAO		G06T	20%
JP2011258082	MOVING IMAGE PROCESSING DEVICE, MOVING IMAGE INFORMATION PROCESSING PROGRAM AND MOVING IMAGE PROCESSING METHOD	TOKYO METROPOLITAN UNIV	NISHITANI TAKAO		G06T	22%
JP2011254515	METHOD FOR ARRANGING DATA STREAM CONTAINING AUDIO, VIDEO AND/OR OTHER DATA	THOMSON LICENSING	DIRK ADOLF | SCHILLER HARALD | JOBST HOERENTRUP | RALF OSTERMANN | HARTMUT PETERS		H04N	61%

图 5. 利用 Patentics 检索 2011 年公开的包含"hdtv"的文本的专利（全文检索）

4. 日本专利局的 PAJ 系统的显示界面十分简陋，Patentics 提供的图文并茂的全文阅读体验（公示图、表格嵌套显示，同时提供 pdf 浏览、个人阅读注释等等功能），让专利更易读：

JP2011182406

JP Patent
HOSUR SRINATH

JP2011182406
20110915

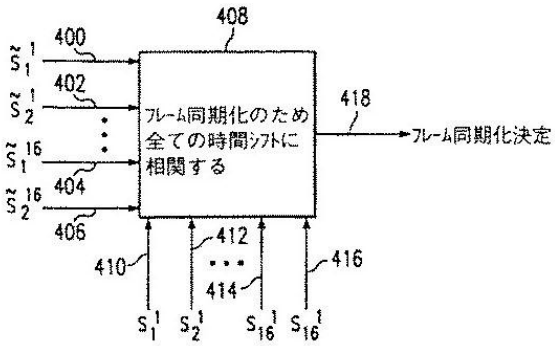
FRAME SYNCHRONIZATION IN SPACE TIME BLOCK CODED TRANSMIT ANTENNA DIVERSITY FOR WCDMA

⊞FIGURE
⊞Index
⊞Related

⊟*Abstract*

Abstract

PROBLEM TO BE SOLVED: To improve frame synchronization in a WCDMA communication system.
SOLUTION: A synchronization circuit 408 is coupled to receive first and second symbol signals 400-406 and a first known symbol and a second known symbol 410-416. The synchronization circuit produces a synchronization signal 418 in response to an approximate match between the first symbol signal and the first known symbol and between the second symbol signal and the second known symbol.



⊟*Header*

Inventors: HOSUR SRINATH (); DABAK ANAND G ();
Assignee: TEXAS INSTRUMENTS INC <TI> ();
Application Serial No.: JP2011051802
Filed: 20110309
⊞Foregin Application Priority Data:
⊞Classification

It generates.
[Mathematical formula 1]

$$R_j^1 = \sum_{i=0}^{N-1} r_j(i+\tau_j) = \alpha_j^1 S_1 + \alpha_j^2 S_2$$

[Mathematical formula 2]

$$R_j^2 = \sum_{i=N}^{2N-1} r_j(i+\tau_j) = \alpha_j^1 S_1 - \alpha_j^2 S_2$$

[0004] The output signal corresponding to the j-th of the L multiple-signal courses in the OTD phase compensator of Fig.6

R_j^1 及び R_j^2

[0011] Although the present invention was described in detail with reference to the preferable working example, please understand that this description must not understand as being only an example and restricting the present invention. For example, the pilot sign pattern of Table 1 fits the data speed of 16, 32 and 64 which have four pilot signs in each time slot, and 128KSPS. The same result is obtained with other patterns. For example, the same result will be obtained if the pattern of Table 2 is applied to a second antenna.
[Table 2]

スロット	B_1^*	$-S_2^*$	$-B_2^*$	S_1^*
1	10	01	01	10
2	10	11	01	10
3	10	11	01	00
4	10	11	01	11
5	10	01	01	11
6	10	01	01	11
7	10	10	01	00
8	10	11	01	11
9	10	10	01	10
10	10	11	01	00
11	10	00	01	10
12	10	11	01	00
13	10	11	01	01
14	10	10	01	11
15	10	10	01	00
16	10	10	01	01

图 6. 利用 Patentics 系统查看 JP2011182406 的全文数据