

# Retrieving and Utilizing External Results: Sources and Types of External Results

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Akiyoshi IMAURA  
Deputy Director for International Affairs  
Division  
Japan Patent Office



## Source of External Results

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- AIPN (JP)  
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  - Public Pair (US)  
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  - ❑ The AIPN provides **Dossier Information** and **Legal status** of applications examined by JPO.
  - ❑ Almost all Information is translated into English by **Japanese-English Machine Translation**.
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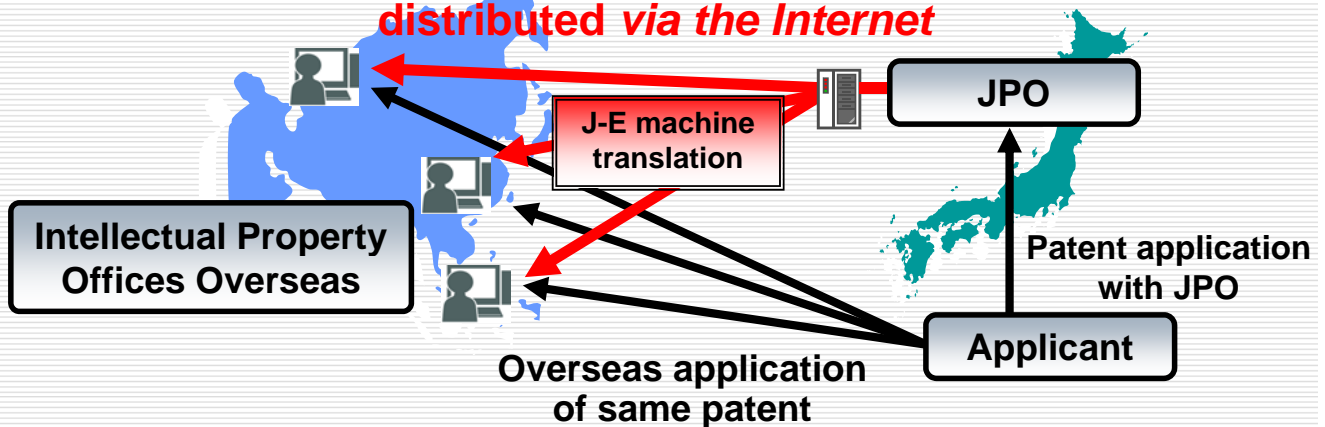
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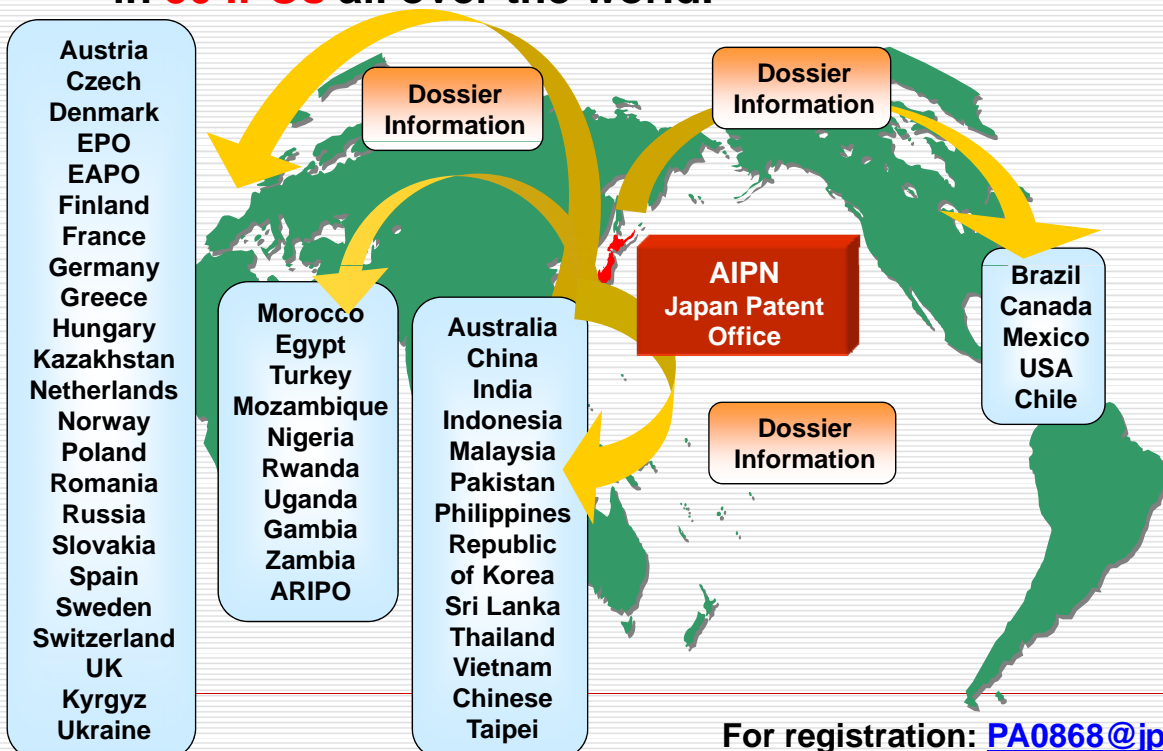
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For registration: [PA0868@jpo.go.jp](mailto:PA0868@jpo.go.jp)

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For access to a Japanese application, the AIPN accepts various numbers like the following:

- (1) Japanese Publication Number
- (2) Japanese Application Number
- (3) PCT Application Number\*
- (4) Priority Number\*

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The AIPN provides detailed information of applications which were published by JPO.

- (1) Patent Family Data
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- (3) Full Text of Publications
- (4) Application Data and Transaction history
- (5) File Wrapper (Dossier) Information

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Patent Application/Priority Number  
Utility Model Application/Priority Number  
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B : Examined Patent Publication (Kokoku)  
B : Granted Patent Publication  
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Type

Document Number

e.g. Application/Priority Number : 2001-123456 or H13-123456  
A, U, B, Y : 2001-123456 or H13-123456  
A1 : WO1998-123456 or WO98-123456  
U, B, Y : 3234567

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### Search from OTHER Application/Priority Number

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Priority Number

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JAPANESE

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## Patent application number 2003-123456

File Wrapper Document List – Click document title to display contents.  
The dates in the list are shown in the format of "dd.mm.yyyy"

▪ [Application data and Transaction history](#)

1. [28.04.2003: Request for a Patent](#)
2. [28.04.2003: Description](#)
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4. [28.04.2003: Abstract](#)  
--- : Certified or Appended Information
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7. [01.10.2007: Assessment on Search Report by Registered Searching Organization](#)
8. [09.10.2007: Notification of Reasons for Refusal](#)
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ENGLISH

JAPANESE

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## Patent application number 2003-123456

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▪ [Application data and Transaction history](#)

1. [28.04.2003: Request for a Patent](#)
2. [28.04.2003: Description](#)
3. [28.04.2003: Drawings](#)
4. [28.04.2003: Abstract](#)  
--- : Certified or Appended Information
5. [14.02.2005: Request for Examination](#)  
--- : Certified or Appended Information
6. [28.09.2007: Search Report by Registered Searching Organization](#)
7. [01.10.2007: Assessment on Search Report by Registered Searching Organization](#)
8. [09.10.2007: Notification of Reasons for Refusal](#)
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## 特許願2003-123456

以下リストに表示される日付は「dd.mm.yyyy」の形式で表示されます。

▪ [出願マスタ基本項目](#)

1. [28.04.2003: 特許願](#)
2. [28.04.2003: 明細書](#)
3. [28.04.2003: 図面](#)
4. [28.04.2003: 要約書](#)  
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- 28.04.2003: [Description](#)
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- : -- Certified or Appended Information
- 14.02.2005: [Request for Examination](#)
- : -- Certified or Appended Information
- 28.09.2007: [Search Report by Registered Searching Organization](#)
- 01.10.2007: [Assessment on Search Report by Registered Searching Organization](#)
- 09.10.2007: [Notification of Reasons for Refusal](#)
- 05.12.2007: [Written Withdrawal of Application](#)
- : -- Certified or Appended Information

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★ Notification of Reasons for Refusal ← **Reasons for refusal**

Application number: Application for patent 2003-362601  
Date of Drafting: Heisei 20(2008) June 23  
Patent examiner: WATANABE, Juruya 3131 Four B00  
Applicant: SAN-EI GEN F.F.I INC.  
Applied Provisions: Article 29(1), Article 29(2)

This application should be refused for the reason that the following Reason. If the applicant has any argument against the reason, such argument should be submitted within 60 days from the dispatch date of this notification.

★ Reason ← **Detail of the reasons**

[Reason 1] The claimed invention(s) in the each claim listed below of this patent application should not be granted a patent under the provision of Patent Law Article 29 (1)(iii) for the reason that the claimed invention(s) has/have been deemed to be identical with the invention(s) described in the distributed publication(s) listed below or made available to the public through electric telecommunication lines in Japan or other foreign countries prior to the filing of the patent application.  
[Reason 2] The claimed invention(s) in the each claim listed below of this patent application should not be granted a patent under the provision of Patent Law Article 29 (2) for the reason that the claimed invention(s) could have easily been made by persons who have common knowledge in the technical field to which the claimed invention(s) pertains, on the basis of the invention(s) described in the distributed publication(s) listed below or made available to the public through electric telecommunication lines in Japan or other foreign countries prior to the filing of the patent application.  
Account (Please refer to "The list of cited documents etc." for cited documents etc.)

To Reason 2 cited document 1-4 Remarks:cited document 1-4, it is indicated [ 7 / Reasons 1 and 2 Claim 5 and ] about Claims 1-4 that the effect that thaumatin reinforces master Deveze's flavor is shown. Here, mustard contains ARIRU isothiocyanate as a pungent condiment ingredient. A person skilled in the art could have embodied the idea of based on the description of cited document 1-4, adjusting the loadings of thaumatin so that the pungent condiment of mustard may reinforce.

Claims 1-4 -- Reasons 1 and 2 Claims 6-7 -- Reason 2 cited document 5 Remarks: -- to cited document 5, the powder flavoring containing a red pepper extract and thaumatin is indicated.  
It is indicated that the flavoring concerned was also racier than the contrast which does not contain thaumatin (refer to working example 18 especially).  
Here, since most flavor ingredients in the flavoring concerned of cited document 5 are red pepper extracts, the person skilled in the art who touched the description concerned is accepted to recognize as the flavor of red pepper being reinforced. Red pepper contains capsaicin as a pungent condiment ingredient. A person skilled in the art could have embodied the idea of based on the description of cited document 5, adjusting the loadings of thaumatin so that flavor may reinforce.

★ The list of cited documents etc. ← **List of cited documents**

1. Food, 1983 and 5 (3), p.12-13, 15-162. monthly hood chemicals, 1985, 1 (6), p.40-473. FFI journal, 2001, No.195, p.61-634. monthly hood chemicals, 1998, and 14(2) p.44-525. JP,H07-099918,A  
(Note) By restriction of law or a contract, some or all of nonpatent literatures that was shown may not be sent.

Record of the result of prior art search

- Technical-fields-to-be-searched IPC A23L1/22-237, 1/24 DB name CPlus/BIOSIS/WPIDS(STN) JSTPlus (JDreamII)  
- Prior art documents Nothing  
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Patent Family						
No.	Kind	Publication No.	Publ. Date	Application No.	Appl. Date	Related Information
1	A	<a href="#">JP 2004-164561</a>	10.06.2004	JP 2003-0123456	28.04.2003	<a href="#">Legal status, Cited documents</a>
2	B2	<a href="#">US 7014374</a>	21.03.2006	US 2003-0670120	25.09.2003	
3	A1	<a href="#">US 2004218209</a>	04.11.2004	US 2003-0670120	25.09.2003	

**Patent Family List**

Legal Status, Cited Documents		Application Number. JP 2003-0123456		File Wrapper Information	
Legal Status Click "File Wrapper Information" for the latest status.					
[ Publication number ]		<a href="#">2004-164561</a>			
[ Date of request for examination ]		14.02.2005			
[ Date of sending the examiner's decision of rejection ]					
[ Kind of final disposal of application other than the examiner's ]		withdrawal			
[ Date of final disposal for application ]		11.12.2007			
[ Patent number ]					
[ Date of registration ]					
[ Number of appeal against examiner's decision of rejection ]					
[ Date of requesting appeal against examiner's decision of rejection ]					
[ Date of extinction of right ]					
[ Trial or opposition number ]					
[ Date of demand for trial or opposition ]					
[ Kind of final disposal of trial or opposition ]					
[ Date of final disposal of trial or opposition ]					
[ Renewal date ]		31.07.2008			

**Legal Status & Cited Document**

Cited Documents				
No.	Kind	Document No.	Patent Family	
1	A	<a href="#">JP 07-98637</a>	<a href="#">Patent Family</a>	
2	A	<a href="#">JP 2000-20275</a>	<a href="#">Patent Family</a>	
3	A	<a href="#">JP 05-127850</a>	<a href="#">Patent Family</a>	



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#### CLAIM + DETAILED DESCRIPTION

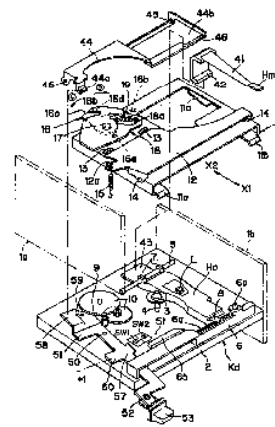
##### [Claim(s)]

[Claim 1] If it has the mode change member which can be displaced between the disk blowdown mechanism which discharges the disk in a set state, and a playback mode position and a discharge mode position and the mode change member is manually displaced from a playback mode position to a discharge mode position Disk drive equipment characterized by being constituted so that the disk in a set state may be discharged by said disk blowdown mechanism.

[Claim 2] The head migration mechanism in which a head is \*\*\*\*(ed) to the set disk, If it has the mode change member which can be displaced between a reproduction mode position and a record mode position and

Drawing selection

[001]



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#### CLAIM + DETAILED DESCRIPTION

##### [Claim(s)]

[Claim 1] If it has the mode change member which can be displaced between the disk blowdown mechanism which discharges the disk in a set state, and a playback mode position and a discharge mode position and the mode change member is manually displaced from a playback mode position to a discharge mode position Disk drive equipment characterized by being constituted so that the disk in a set state may be discharged by said disk blowdown mechanism.

[Claim 2] The head migration mechanism in which a head is \*\*\*\*(ed) to the set disk, If it has the mode change member which can be displaced between a reproduction mode position and a record mode position and

Drawing selection

Representative drawing

drawing 1

drawing 2

drawing 3

drawing 4

drawing 5

drawing 6

drawing 7

drawing 8

drawing 9

drawing 10

drawing 11

drawing 12

drawing 13

drawing 14

drawing 15

drawing 16

drawing 17

drawing 18

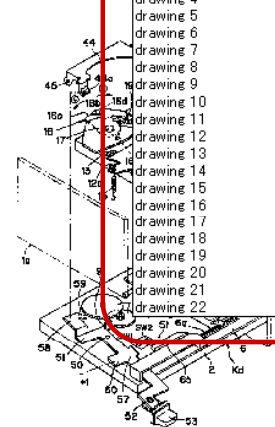
drawing 19

drawing 20

drawing 21

drawing 22

[001]



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CLAIM + DETAILED DESCRIPTION

[Claim(s)]  
[Claim 1] If it has the mode change member which can be displaced between the disk blowdown mechanism which discharges the disk in a set state, and a playback mode position and a discharge mode position and the mode change member is manually displaced from a playback mode position to a discharge mode position Disk drive equipment characterized by being constituted so that the disk in a set state may be discharged by said disk blowdown mechanism.  
[Claim 2] The head migration mechanism in which a head is \*\*\*\*(ad) to the set disk, If it has the mode change member which can be displaced between a reproduction mode position and a record mode position and

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# Link to Japanese Gazette PDF



JP 2004-164561 A 2004.6.10

(19) 日本国特許庁 (JP)      (12) 公開特許公報 (A)      (11) 特許出願公開番号  
**特開2004-164561**  
 (P2004-164561A)

(43) 公開日 平成16年6月10日 (2004. 6. 10)

(51) Int. Cl. <sup>7</sup>      F I      テーマコード (参考)

G06F 3/12	G06F 3/12	C	2C061
B41J 29/00	G06F 3/12	D	5B021
B41J 29/38	B41J 29/38	Z	5C052
B41J 29/42	B41J 29/42	F	
H04N 5/76	H04N 5/76	E	

審査請求 未請求 請求項の数 13 O L (全 25 頁) 最終頁に続く

(21) 出願番号 特願2003-123456 (P2003-123456)      (71) 出願人 000002369  
 (22) 出願日 平成15年4月28日 (2003. 4. 28)      セイコーエプソン株式会社  
 (31) 優先権主張番号 特願2002-279423 (P2002-279423)      東京都新宿区西新宿2丁目4番1号  
 (32) 優先日 平成14年9月25日 (2002. 9. 25)      (74) 代理人 100094525

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No.	Kind	Publication No.	Publ. Date	Application No.	Appl. Date	Related Information.
1	A	<a href="#">JP 2004-164561</a>	10.06.2004	JP 2003-0123456	28.04.2003	<a href="#">Legal status, Cited documents</a>
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3	A1	US 2004218209	04.11.2004	US 2003-0670120	25.09.2003	

Legal Status, Cited Documents    Application Number. JP 2003-0123456    File Wrapper Information

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[ Date of sending the examiner's decision of rejection ]	
[ Kind of final disposal of application other than the examiner's ]	withdrawal
[ Date of final disposal for application ]	11.12.2007
[ Patent number ]	
[ Date of registration ]	
[ Number of appeal against examiner's decision of rejection ]	
[ Date of requesting appeal against examiner's decision of rejection ]	
[ Date of extinction of right ]	

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US007014374B2

(12) **United States Patent**  
**Hamaguchi et al.**

(10) **Patent No.:** **US 7,014,374 B2**  
(45) **Date of Patent:** **Mar. 21, 2006**

(54) **PRINTING APPARATUS AND PRINTING METHOD FOR PERFORMING PRE-COMMUNICATION WITH AN EXTERNAL DEVICE**

(75) **Inventors:** **Yoshiharu Hamaguchi, Nagano-ken (JP); Yusuke Torigoe, Nagano-ken (JP)**

(73) **Assignee:** **Selko Epson Corporation, Tokyo (JP)**

(\*) **Notice:** Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 63 days.

(21) **Appl. No.:** **10/670,120**

(22) **Filed:** **Sep. 25, 2003**

(65) **Prior Publication Data**  
US 2004/0218209 A1 Nov. 4, 2004

(30) **Foreign Application Priority Data**  
Sep. 25, 2002 (JP) ..... 2002-279423  
Nov. 1, 2002 (JP) ..... 2002-320578  
Apr. 28, 2003 (JP) ..... 2003-123456

(56) **References Cited**  
**U.S. PATENT DOCUMENTS**  
2002/0172345 A1\* 11/2002 Wu ..... 379/220.01  
2003/01331240 A1\* 5/2003 Solo et al. .... 358/1.15  
2003/0133154 A1\* 7/2003 Ohtsuka et al. .... 358/1.15  
2003/0222985 A1\* 12/2003 Goto et al. .... 348/207.2  
2004/0090543 A1\* 5/2004 Suehiro ..... 348/231.99

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JP 11341065 A \* 12/1999  
JP 11355704 A \* 12/1999  
JP 2001-290612 10/2001  
JP 2003309618 A \* 10/2003  
JP 2004013350 A \* 1/2004

\* cited by examiner  
**Primary Examiner—Minh Chau**  
(74) **Attorney, Agent, or Firm—Sughrue Mion, PLLC**

(57) **ABSTRACT**  
The present invention provides a printing method and the like with which high-quality and high-speed printing is possible. The printing method includes: a step of performing pre-communication with an external device before print data are obtained from the external device; a step of obtaining

No.	Kind	Publication No.	Publ. Date	Application No.	Appl. Date	Related Information
1	A	<a href="#">JP 2004-164561</a>	10.06.2004	JP 2003-0123456	28.04.2003	Legal status, Cited documents
2	B2	<a href="#">US 7014374</a>	21.03.2006	US 2003-0670120	25.09.2003	
3	A1	US 2004218209	04.11.2004	US 2003-0670120	25.09.2003	

**Legal Status, Cited Documents**      **Application Number. JP 2003-0123456**      **File Wrapper Information**

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[ Publication number ]	<a href="#">2004-164561</a>
[ Date of request for examination ]	14.02.2005
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[ Kind of final disposal of application other than the examiner's ]	withdrawal
[ Date of final disposal for application ]	11.12.2007
[ Patent number ]	
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2	B2	<a href="#">US 7014374</a>	21.03.2006	US 2003-0670120	25.09.2003	
3	A1	US 2004218209	04.11.2004	US 2003-0670120	25.09.2003	

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3. [28.04.2003: Drawings](#)
4. [28.04.2003: Abstract](#)  
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(11)Publication number :            07-098637  
 (43)Date of publication of application : 11.04.1995

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(51)Int. Cl.                            **G06F 3/12**  
    **B41J 5/30**

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(21)Application number : **05-243149**                    (71)Applicant : **FUJI XEROX CO LTD**  
 (22)Date of filing :        **29.09.1993**                    (72)Inventor :    **SATO MITSURU**

---

(54) **PRINTER**  
 (57)Abstract:  
 PURPOSE: To use the function of a printer where the picture generation program of a computer cannot be used and to prevent the print output of the other user from being affected in the printer connected to a network.  
 CONSTITUTION: A registration means 13 registers a user name or a network address to be used in a holding means 14 by associating it with a processing attribute which the user uses. When the user requests output to the printer, an addition means 15 extracts the user name included in the output request or the network address to be used, extracts the processing attribute registered by associating it to them from the holding means 14 and transfers it with picture data of the user to a picture output part 17.

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1	A	<a href="#">JP 2000-20275</a>	21.01.2000	JP 1998-0186072	01.07.1998	<a href="#">Legal status, Cited documents</a>

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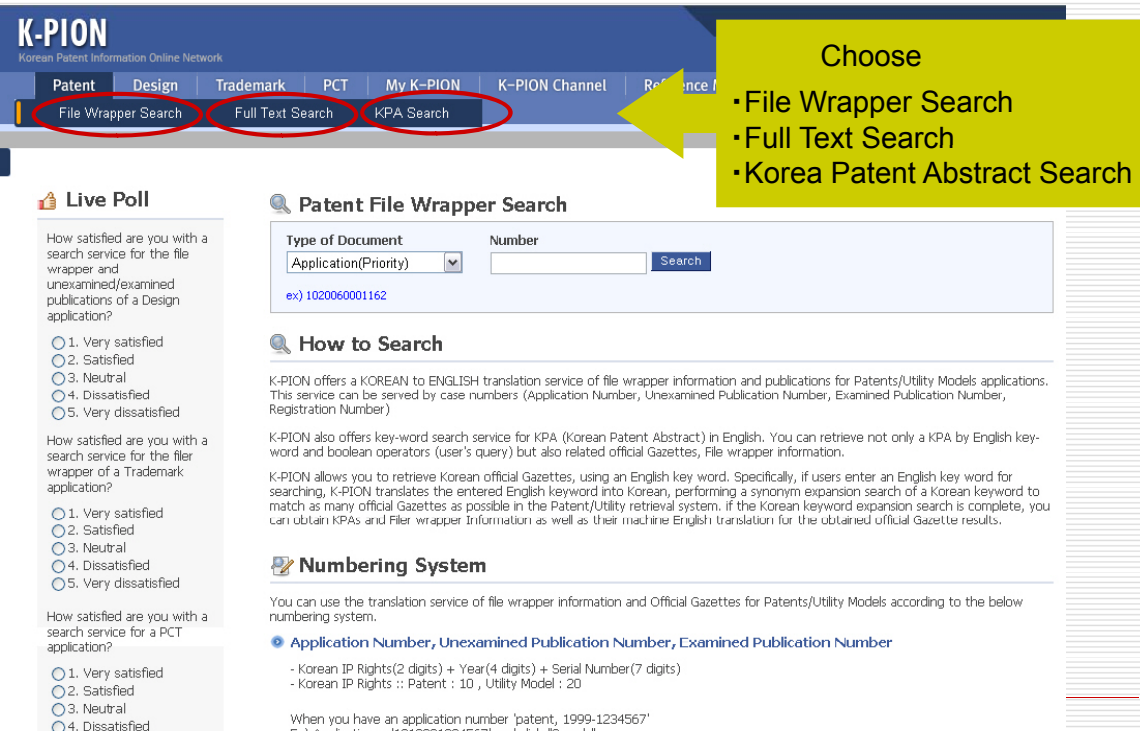
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Type of Document: Application(Priority) | Number: 1020040108790 | Search

Application No. 1020040108790 HIGH SPEED ANALOG ENVELOPE DETECTOR

Bibliography Data	Transaction History	Publication Document	Date (DD/MM/YYYY)
Application Number	1020040108790	Application Date	20/12/2004
Unexamined Publication Number	1020060070145	Unexamined Publication Date	23/06/2006
Examination Request Date	20/12/2004	Published Date	24/01/2007
Examinined Publication Number	-	Number of Claims	13
Designated Class Code (IPC Code)	H04L 12/02	Representative Agent	YIM, Chang Hyun
Representative Applicant	SAMSUNG ELECTRONICS CO., LTD.	Registration Date	16/01/2007
Inventor	YU, JAE-SUK	Date of International Application	-
Registration Number	1006729870000		
International Application Number	-		
Title of Invention	HIGH SPEED ANALOG ENVELOPE DETECTOR		

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31/10/2006	Decision to grant	등록결정서	DISP		
19/07/2006	Amendment to Description, etc	명세서등보정서	RGAA		
19/07/2006	Written Opinion	의견서	ACPT		
25/05/2006	Notification of reason for refusal	의견제출통지서	DISP		
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Applicant,	Name, Address,	NT SYSTEM CO.,LTD(applicant code: 120060003764) Secure Information
Agent,	Name, Address,	Byeong - Ju Choi Secure Information
Application No.	10-2006-0001162	
Title of Invention	a signpost for road boundary	
Claim,	1	

This application has been granted a patent under Article 66 of the Patent Act.  
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(51) Int. Cl. H04L 12/02 (2006.01)

(11) Registration No 10-0672987  
 (24) Registration Date 2007-01-16  
 (45) Published Date 2007-01-24

(21) Application No 10 2004 0100790 (C5) Unexamined Publication No 10 2006 0070145  
 (22) Application Date 2004-12-20 (43) Unexamined Publication Date 2006-06-23  
 (74) Agent Chang-Hyeon Im, Hyeok-Su Kwon, Yun-Ho Song, Se-Jun Oh (72) Inventor Jae-Seok Yu  
 (73) Right Holder Samsung Electronics Co.

Examiner : Chan-Ho Yang

(54) HIGH SPEED ANALOG ENVELOPE DETECTOR

Abstract

Machine Translation | Human Translation

1 Here, fourth level shift signals are generated to score the first having the voltage level which the started high speed Analogous envelope detector highs in response to the differential input signal inputted from outside than the differential input signal. And the voltage level of fourth level shift signals is compared to score the first. The comparison result is to the basis and the validity about the differential input signal is decided. It does not the

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Examined Publication Date	2007-01-24
Registration No	10-0672987
Registration Date	2007-01-16
Application No	10-2004-0108790
Application Date	2004-12-20
Publication Date	2006-06-23
Agent	Chang-Hyeon Im
Inventor	Jae-Seok Yu
Right Holder	SAMSUNG ELECTRONICS CO., LTD.
Examiner	Chan-Ho Yang
Title of Invention	HIGH SPEED ANALOG ENVELOPE DETECTOR
References	1020040108790 - 662985 KR1020020076736 A US6559686 B1 * US6791950 B2 * * The literature quoted by examiner.

 **Abstract**

Here, fourth level shift signals are generated to score the first having the voltage level which the started high speed Analoguing envelope detector highs in response to the differential input signal inputted from outside than the differential input signal. And the voltage level of fourth level shift signals is compared to score the first. The comparison result is to the basis and the validity about the differential input signal is decided. It does not the separate reference voltage in validation to need. Therefore the structure of circuit is simple. It flexibles, it deals with the common mode voltage change etc.

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Registration No. (GN)	<input type="text"/>	ex) 1006729870000
Registration Date (GD)	<input type="text"/>	ex) 20040421
IPC (IPC)	<input type="text"/>	ex) B60R 13/10
Priority No. (RN)	<input type="text"/>	ex) 11/029347
Priority Country. (RC)	<input type="text"/>	ex) JP [HELP]
Title (TL)	<input type="text"/>	ex) LCD*monitor
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No	AppNo	Pub No.	Pub Date	IPC	Title	Link
1	1020040108790	1020060070145	23-06-2006	H04L12/02	HIGH SPEED ANALOG ENVELOP DETECTOR CAPABLE OF DETERMINING VALIDITY OF A RECEIVED SIGNAL WITHOUT USING A SEPARATE REFERENCE VOLTAGE	<div style="border: 2px solid red; padding: 2px; display: inline-block;"> <input type="button" value="F"/> <input type="button" value="U"/> <input type="button" value="E/R"/> <input type="button" value="en"/> </div>

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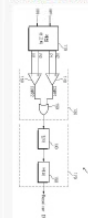
## KPA (Korean Patent Abstracts)

Application No.	1020040108790	Application Date	20/12/2004
Unexamined Publication No.	1020060070145	Unexamined Publication Date	23/06/2006
Examination Request Date	20/12/2004		
Examined Publication No.		Published Date	24/01/2007
Designated Class Code (IPC Code)	H04L 12/02	Number of Claims	13
Representative Applicant	SAMSUNG ELECTRONICS CO., LTD.	Representative Agent	YIM, Chang Hyun
Inventor	YU, JAE-SUK		
Registration No.	1006729870000	Registration Date	16/01/2007
International Application Number		Date of International Application	
Title of Invention	HIGH SPEED ANALOG ENVELOPE DETECTOR		

### Abstract

**PURPOSE:** A high speed analog envelop detector is provided to flexibly cope with a change in a range of an input voltage and a common mode voltage. **CONSTITUTION:** A level shifter(110) generates the first to fourth level shift signals(P1,P2,N1,N2) having a voltage level higher than that of differential input signals(INP, INN) in response to the differential input signals(INP, INN) inputted from the outside. A comparison unit(130) compares voltage levels of the first to fourth level shift signals and determines validity of the differential input signals(INP, INN) based on the comparison result.

### Representative Drawing

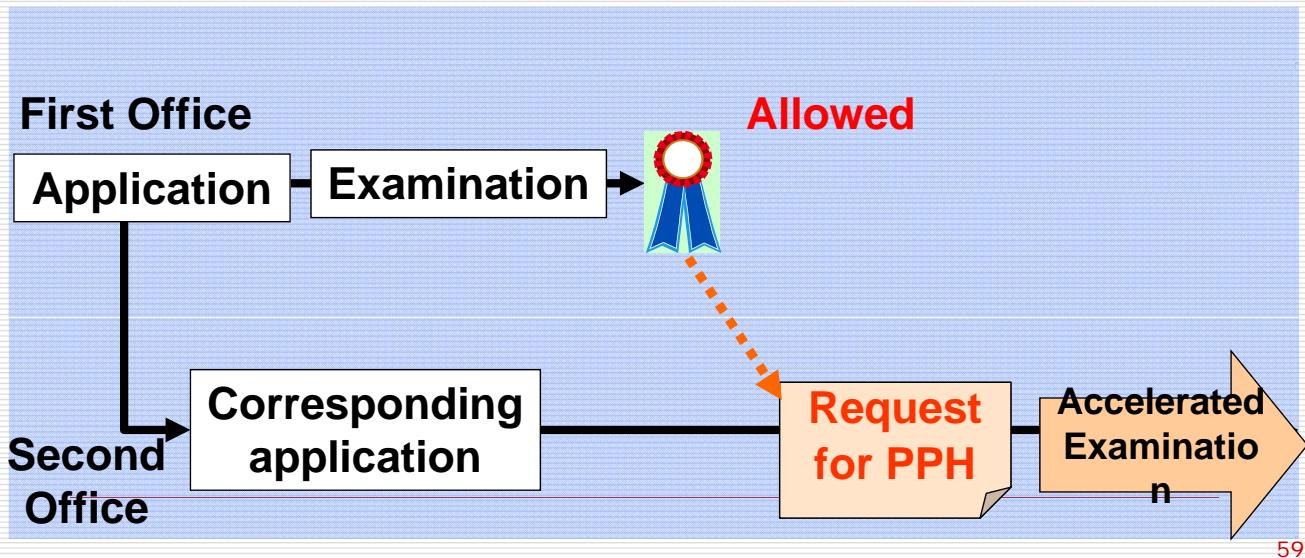


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## Search results of other offices: Patent Prosecution Highway (PPH)

# What is PPH

- PPH is a scheme which enables an application with claims determined to be patentable in the First Office to undergo an accelerated examination in the Second Office with a simple procedure upon request for PPH by an applicant.

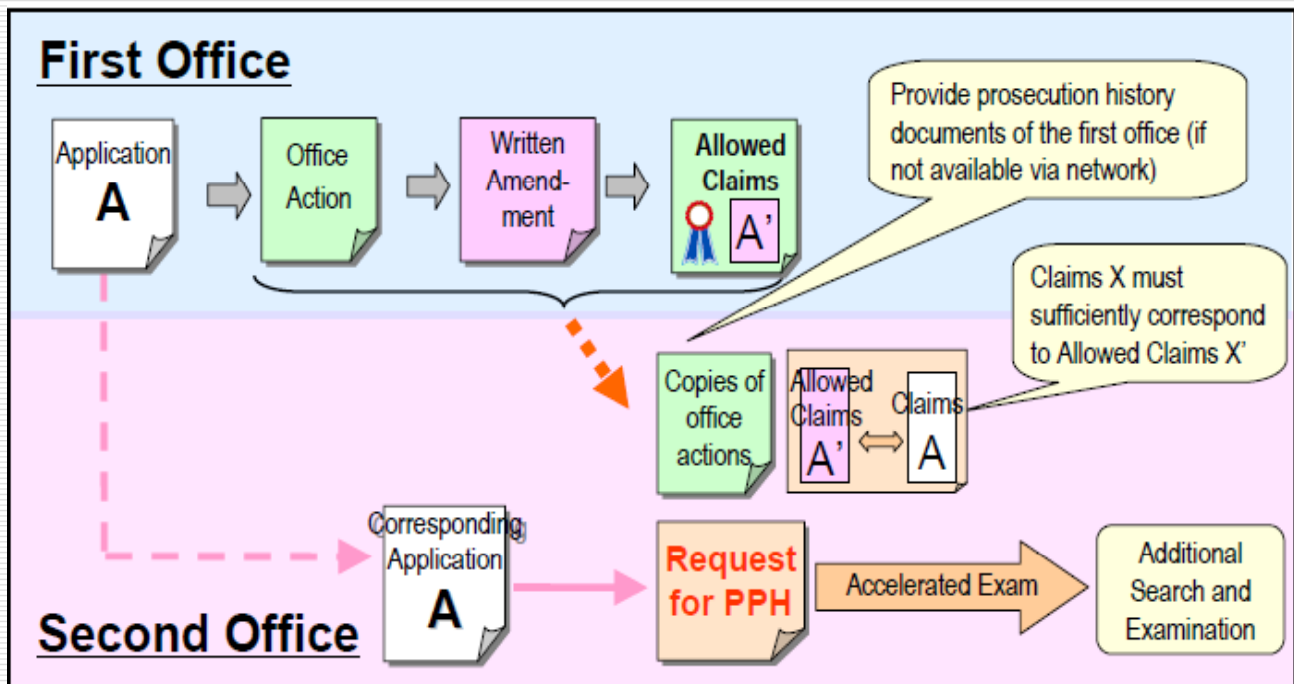


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# Points of PPH

- All claims in the OSF application sufficiently correspond to the claims already determined to be patentable in the OFF.
- Applicants submit
  1. A table listing and containing an explanation of the sufficiently corresponding claims
  2. A copy of the claims already determined to be patentable in the OFF
  3. Copies of all office actions of the OFF
  4. Copies of references cited by the OFF examiner

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## Exploitation of examination history of other offices

- In addition to the merit brought by exploiting search and examination result of other office, under PPH scheme,

all claims in the second office application have already overcome the reasons for refusal found by an examiner of the first office.



- An examiner of the second office
  1. don't need to draft a duplicated reasons for refusal of the first office's one.
  2. can concentrate on search and examination for the claims determined to be patentable in the first office.

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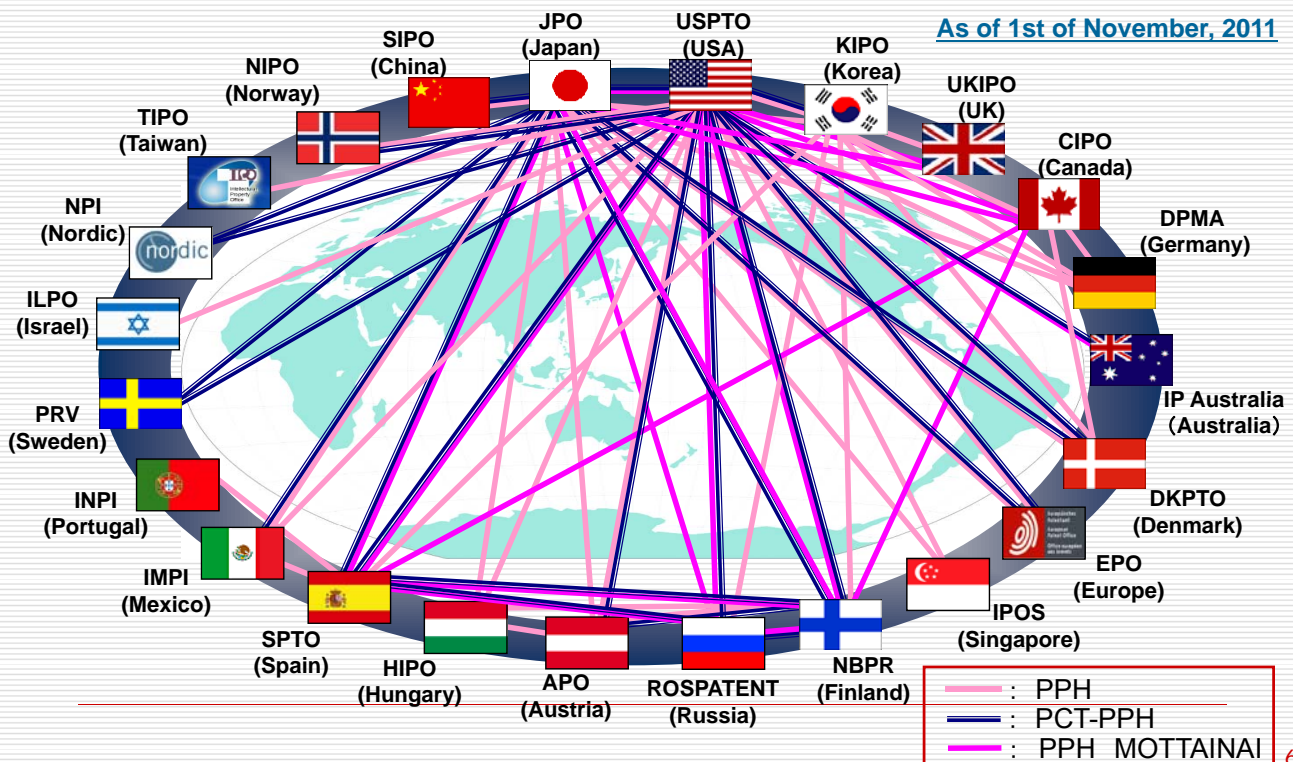
# Effect of PPH

- PPH enhances the utilization of search and examination results between IP Offices in the world so as to reduce the burden of examination  
and
- to enhance the quality of examination worldwide.

# Expansion of PPH Network

- 23 countries and regions join in PPH

As of 1st of November, 2011





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***Thank you!***