

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

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Masanobu UEDA  
Deputy Director for International Affairs  
Division  
Japan Patent Office



# Source of External Results

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□ AIPN (JP)

<http://aipn.ipdl.inpit.go.jp/>

□ European Patent Register (EP)

<https://register.epo.org/espacenet/regviewer>

□ DPMAregister (DE)

<http://register.dpma.de/DPMAregister/pat/einsteiger>

□ Public Pair (US)

<http://portal.uspto.gov/external/portal/pair>

□ K-PION (KR)

<http://kposd.kipo.go.kr:8088/up/kpion/>

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**Retrieving and Utilizing  
External Results:  
Advanced Intellectual Property Network  
(AIPN)**


# AIPN – What's the AIPN?

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- The AIPN is the Web based Service **only** for **Examiners** in the Foreign IP Offices.
  - 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**.
  - The AIPN is the Useful Tool for **Utilizing Examination Results** done by JPO.
-

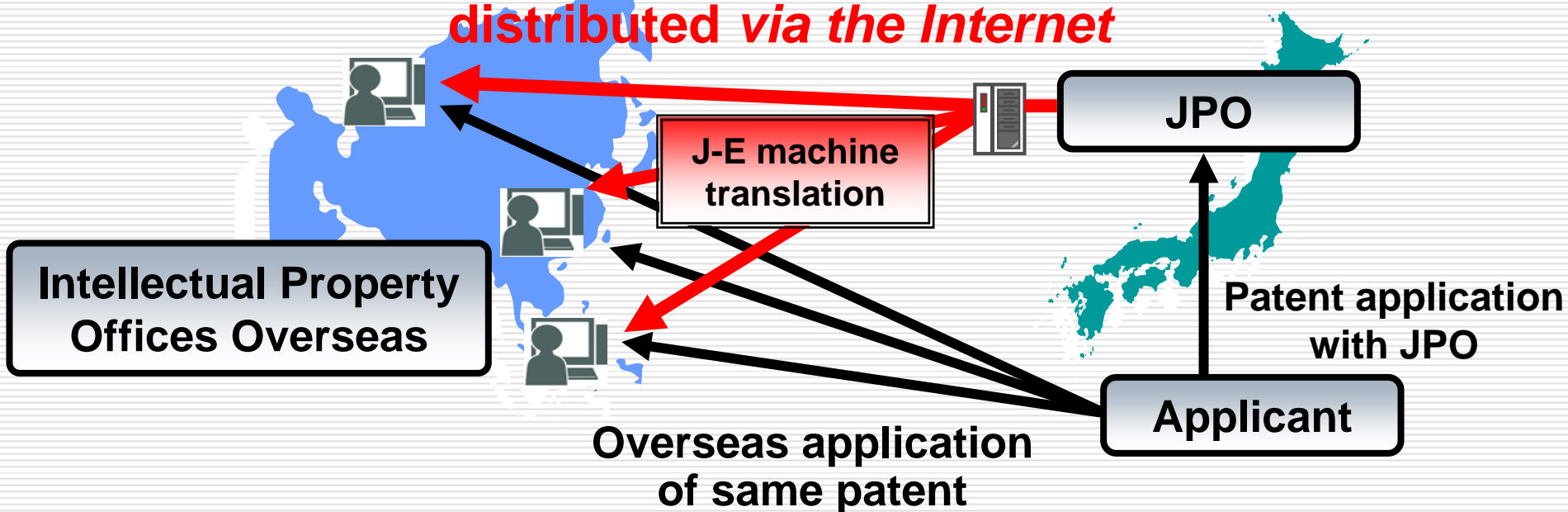
# AIPN – Current Image

## Providing JPO Examination Results in English

- 
- ① Reduces work load of foreign examiners
  - ② Accelerates overseas rights acquisition of applicants

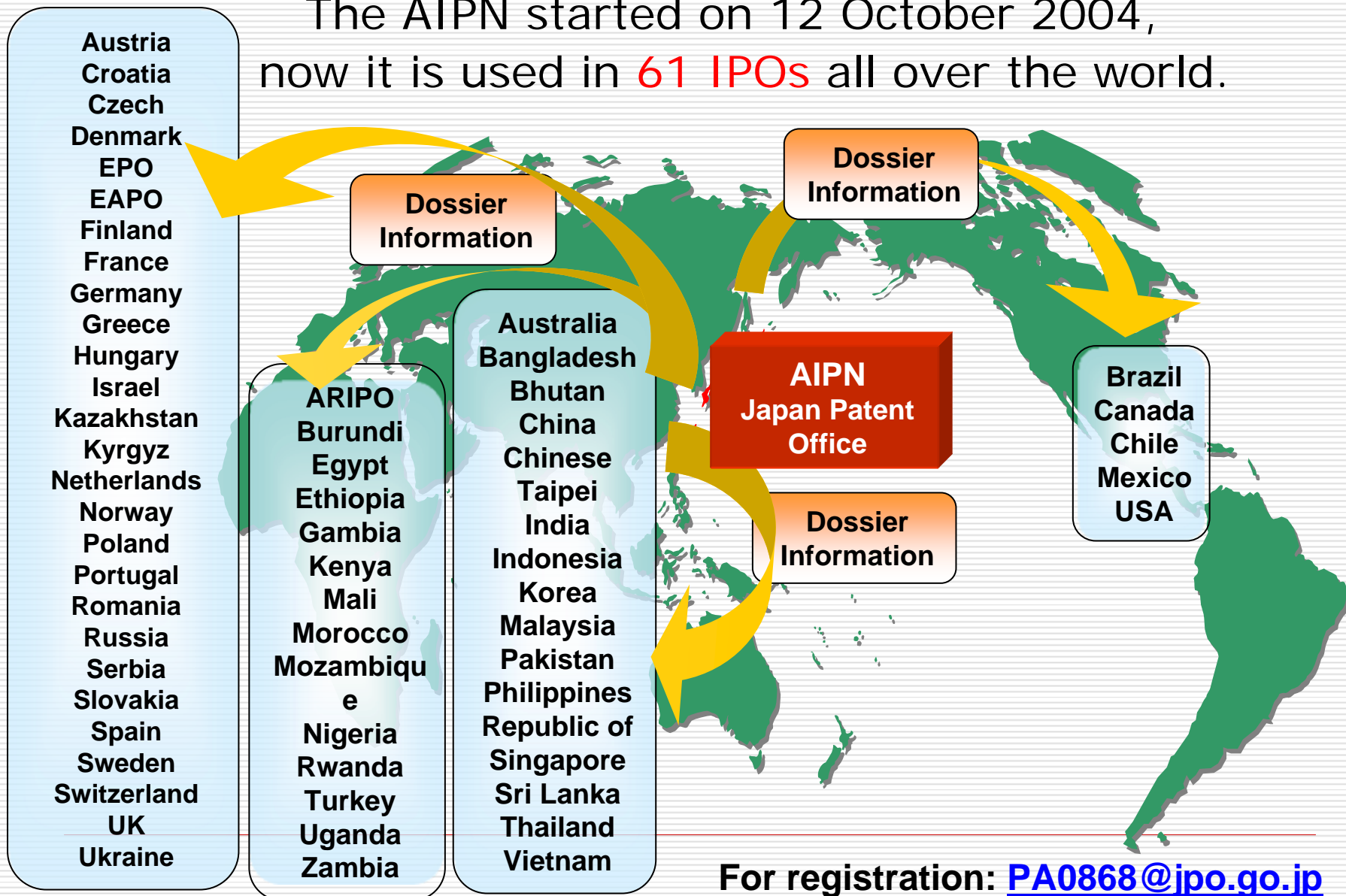
AIPN: Advanced Industrial Property Network

**JPO examination results are distributed via the Internet**



# Registered IP Offices

The AIPN started on 12 October 2004,  
now it is used in **61 IPOs** all over the world.



For registration: [PA0868@jpo.go.jp](mailto:PA0868@jpo.go.jp)

## File Wrapper Information

- Office Actions or other Dossier Information
- Legal Status of the Application or Prosecution history
- Cited Documents / Patent Family Information

## Machine Translation Dictionaries

- Dictionary for IP terms: over 200,000 words
- User Dictionary: 80,000 words  
5,000 words will be added every year

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\*

\*available if the Japanese patent family exists.



# Information by using Machine Translation

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

- (1) Patent Family Data
- (2) Legal Status, Cited Documents
- (3) Full Text of Publications
- (4) Application Data and Transaction history
- (5) File Wrapper (Dossier) Information

File Wrapper Information means the same as Dossier Information, and includes documents like the following:

- (1) **Filing Documents**
- (2) **Office Actions** (e.g. Notification of Reasons for Refusal)
- (3) **Search Reports by Search Organizations**
- (4) **Written Amendments / Arguments**
- (5) **Examiner's notes**

# AIPN – How to use the AIPN

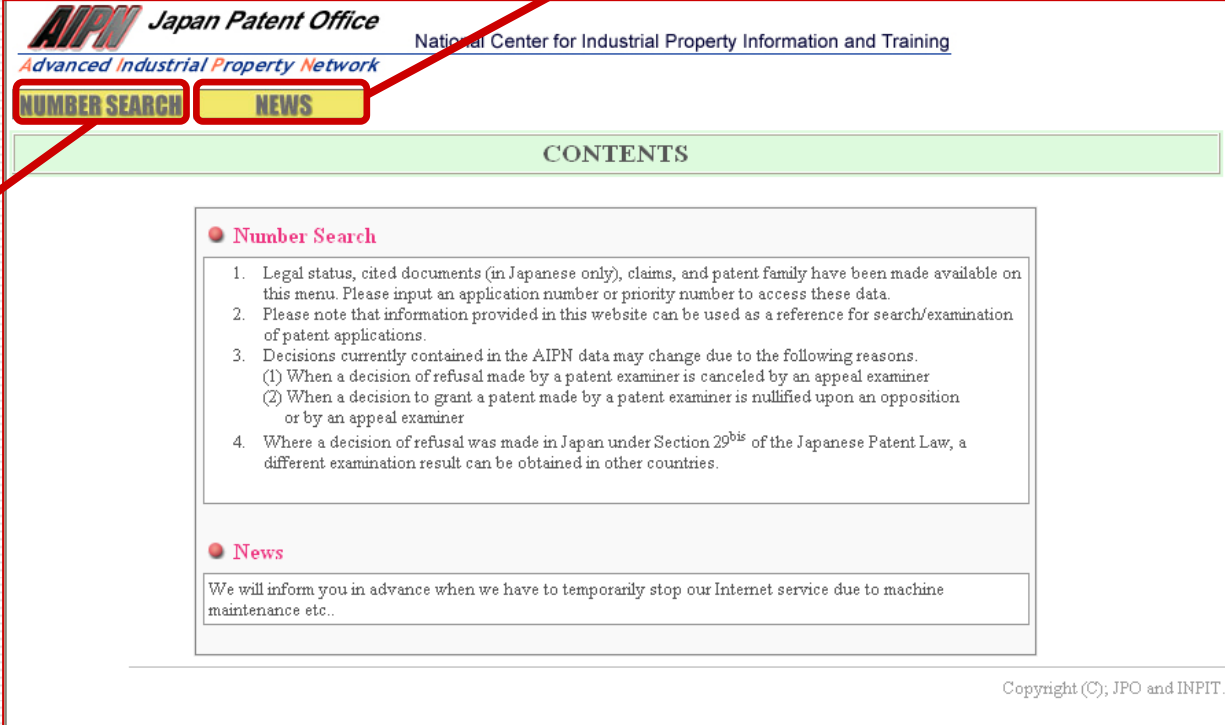
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News

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Number Search



The screenshot shows the AIPN website interface. At the top, it says "AIPN Japan Patent Office" and "National Center for Industrial Property Information and Training". Below that is "Advanced Industrial Property Network". There are two buttons: "NUMBER SEARCH" and "NEWS". A green bar below the buttons says "CONTENTS". Under "CONTENTS", there are two sections: "Number Search" and "News".

**Number Search**

1. Legal status, cited documents (in Japanese only), claims, and patent family have been made available on this menu. Please input an application number or priority number to access these data.
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3. Decisions currently contained in the AIPN data may change due to the following reasons.  
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A1 : WO1998-123456 or WO98-123456  
U, B, Y : 3234567

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- Priority No.
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B : Granted Patent Publication

U : Unexamined Utility Model Publication (Kokai)

Y : Examined Utility Model Publication (Kokoku)

U : Registered Utility Model Publication

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A : Unexamined Patent Publication based on Int'l Application

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## Patent application number 2003-123456

File Wrapper Document List – Click document title to display contents.  
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- [Application data and Transaction history](#)

1. [28.04.2003: Request for a Patent](#)
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4. [28.04.2003: Abstract](#)  
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5. [14.02.2005: Request for Examination](#)  
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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  
[---: 認定・付加情報](#)
5. 14.02.2005: 出願審査請求書  
[---: 認定・付加情報](#)
6. 28.09.2007: 検索報告書
7. 01.10.2007: 検索外注利用状況票
8. 09.10.2007: 拒絶理由通知書
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8. [09.10.2007: Notification of Reasons for Refusal](#)
9. [05.12.2007: Written Withdrawal of Application](#)  
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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, Junya 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 CAplus/BIOSIS/WPIDS(STN) JSTPlus (JDreamII)
- Prior art documents Nothing

This record is not a component(s) of the reason(s) for refusal.

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A1 : WO1998-123456 or WO98-123456  
U, B, Y : 3234567

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# Patent Family & Legal Status Window

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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	US 2004218209	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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## 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	US 2004218209	04.11.2004	US 2003-0670120	25.09.2003	

Legal Status, Cited Documents

Application Number. JP 2003-0123456

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[ Publication number ]	<a href="#">2004.164561</a>
[ Date of request for examination ]	14.02.2005
[ Date of sending the examiner's decision of rejection ]	
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[ Date of final disposal for application ]	11.12.2007
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[ Date of requesting appeal against examiner's decision of rejection ]	
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## PATENT ABSTRACTS OF JAPAN

(11)Publication number : 2004-164561

(43)Date of publication of application : 10.06.2004

(51)Int.Cl. G06F 3/12  
B41J 29/00  
B41J 29/38  
B41J 29/42  
H04N 5/76

(21)Application number : 2003-123456

(71)Applicant : SEIKO EPSON CORP

(22)Date of filing : 28.04.2003

(72)Inventor : HAMAGUCHI YOSHIHARU  
TORIGOE YUSUKE

(30)Priority

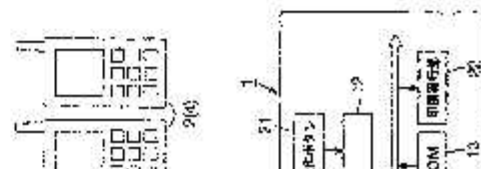
Priority number : 2002279423 Priority date : 25.09.2002 Priority country : JP

### (54) APPARATUS AND METHOD FOR REPRODUCTION CONDITION SETUP, AND REPRODUCTION OUTPUT APPARATUS

(57)Abstract:

PROBLEM TO BE SOLVED: To provide an apparatus and a method for reproduction, which can perform recording processing for communication information from external devices without setup of reproduction conditions and acquire appropriate printing output by switching reproduction conditions using communication protocols of an external device to be connected.

SOLUTION: A setting value table 23 is stored in an EEPROM 15, and printing conditions for every identifier are set in the setting value table 23. When receiving communication





# Document Screening

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#### CLAIM + DETAILED DESCRIPTION

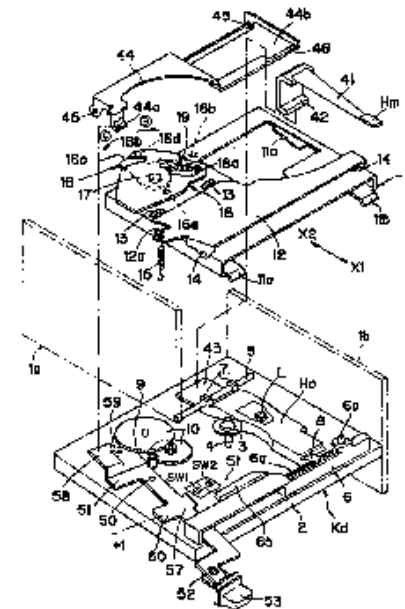
[Claim(s)]

[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

[ 1 ]



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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.

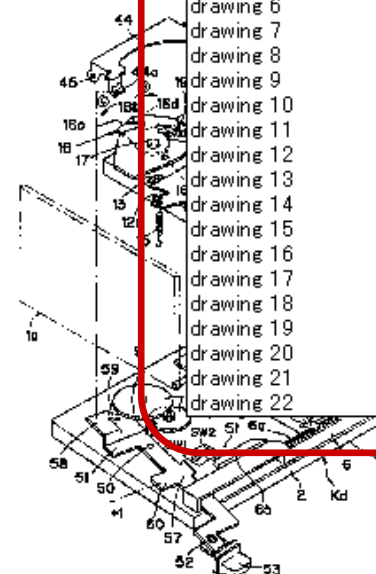
[Claim 2] The head migration mechanism in which a head is \*\*\*\*(ed) to the set disk, If it has the mode change member which can be displaced between a reproduction mode position and a record mode position and

Drawing selection Representative drawing

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

[FIG. 1]



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#### CLAIM + DETAILED DESCRIPTION

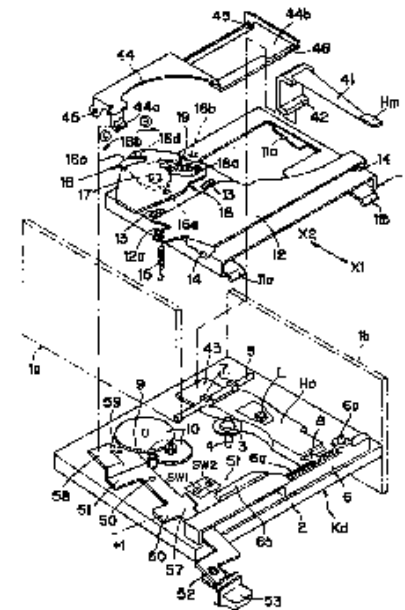
[Claim(s)]

[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

[ 1 ]



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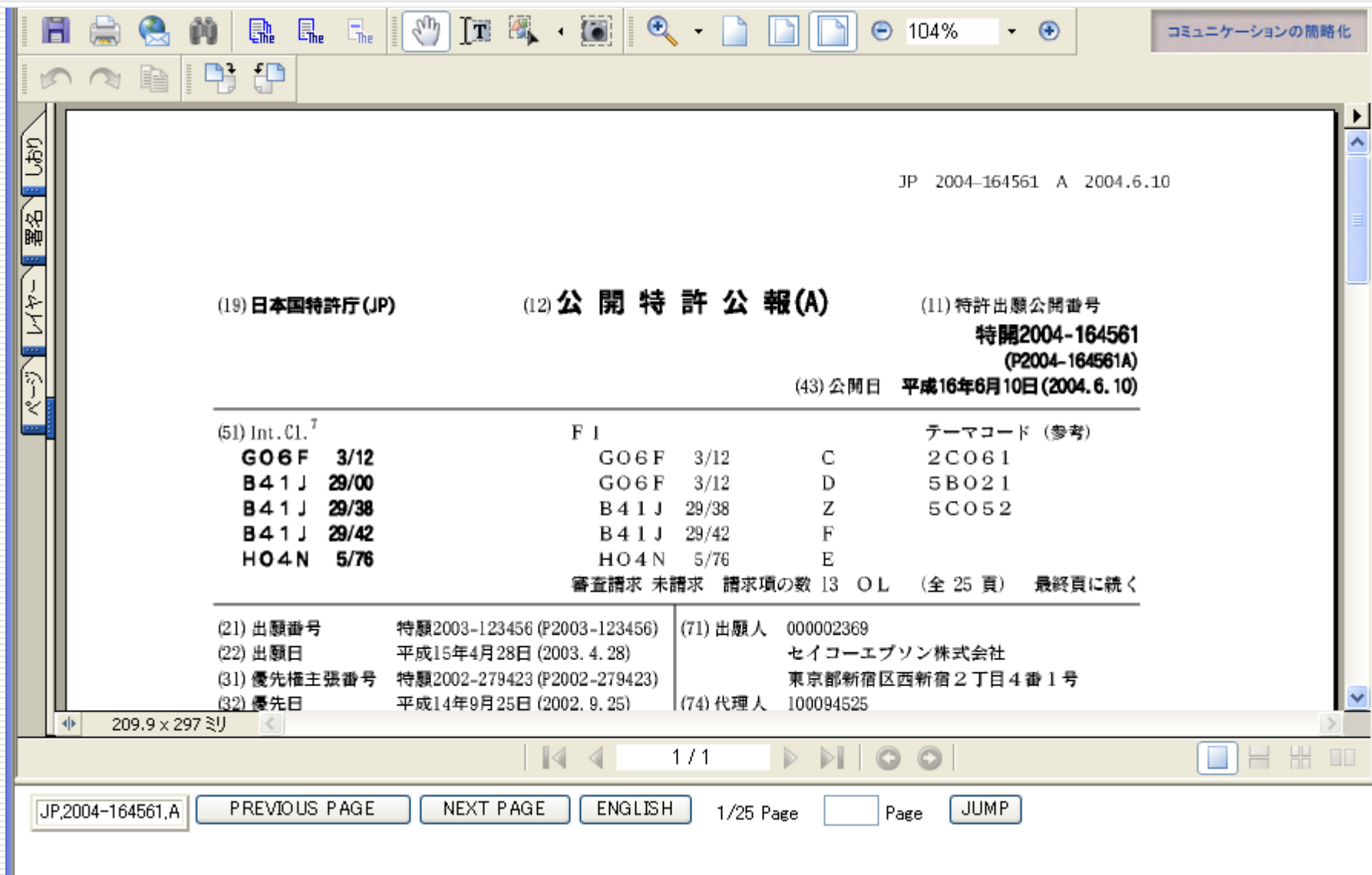
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[JP,2004-164561,A]

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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)

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(51) Int. Cl. <sup>7</sup>

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GO6F 3/12	GO6F 3/12 C	2C061
B41J 29/00	GO6F 3/12 D	5B021
B41J 29/38	B41J 29/38 Z	5C052
B41J 29/42	B41J 29/42 F	
HO4N 5/76	HO4N 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

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(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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2	B2	<a href="#">US 7014374</a>	21.03.2006	US 2003-0670120	25.09.2003	
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[ Date of final disposal for application ]	11.12.2007
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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: **Seiko 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**  
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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

# Legal Status & Cited Documents

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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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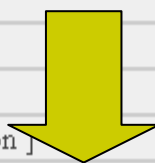
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2	B2	<a href="#">US 7014374</a>	21.03.2006	US 2003-0670120	25.09.2003	
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2	A	<a href="#">JP 2000-20275</a>	<a href="#">Patent Family</a>
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## PATENT ABSTRACTS OF JAPAN

(11)Publication number : 07-098637

(43)Date of publication of application : 11.04.1995

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

(21)Application number : 05-243149

(71)Applicant : FUJI XEROX CO LTD

(22)Date of filing : 29.09.1993

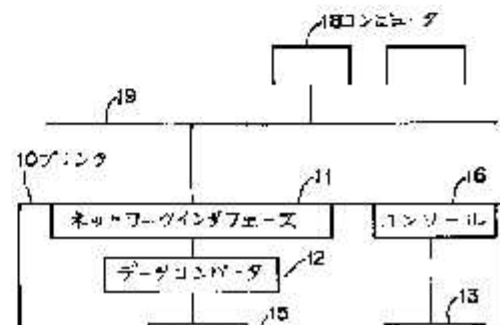
(72)Inventor : SATO MITSURU

### (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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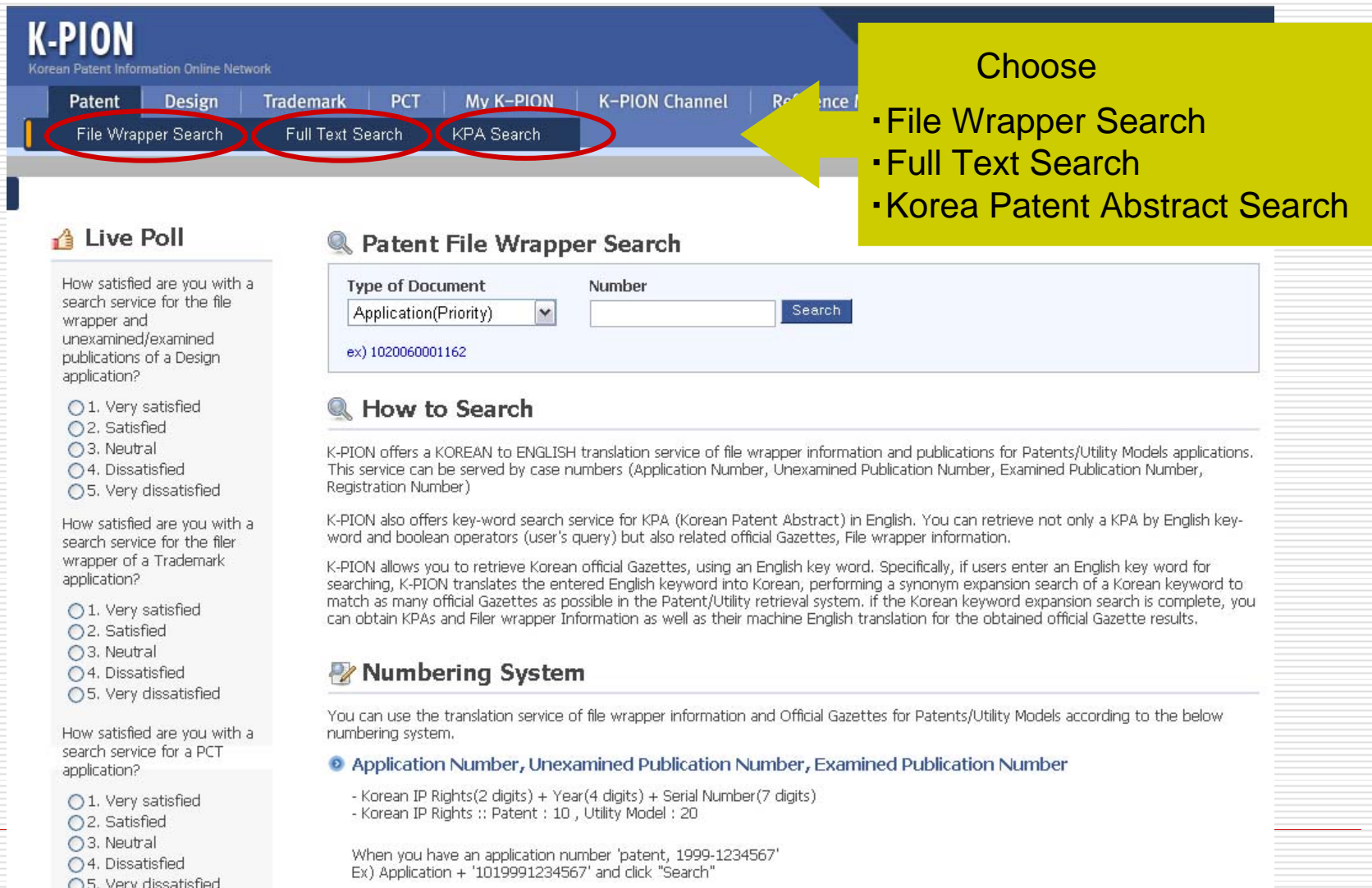
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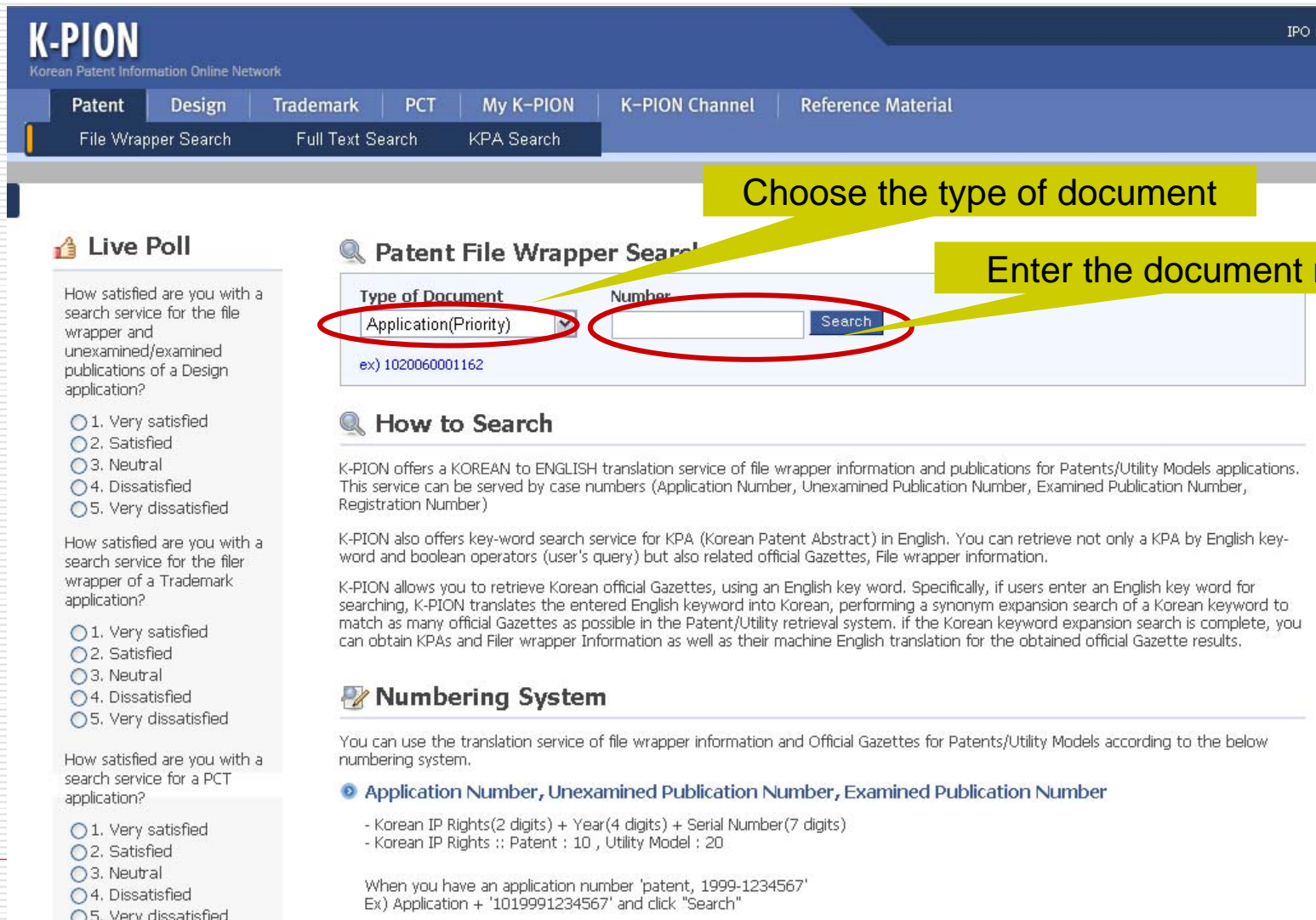
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Bibliography Data	Transaction History	Publication Document	Date (DD/MM/YYYY)
Application Number	1020040108790	Application Date	20/12/2004
Unexamined Publication Number	1020060070145	Unexamined Publication Date	23/06/2006
Examination Request Date	20/12/2004		
Examined Publication Number	-	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 Number	1006729870000	Registration Date	16/01/2007
International Application Number	-	Date of International Application	-
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19/07/2006	Amendment to Description, etc	명세서등보정서	RGAA			
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25/05/2006	Notification of reason for refusal	의견제출통지서	DISP			
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Claim,	1	

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(the patent right takes an effect by paying the patent fee and registering under Article 87 of Patent Act)

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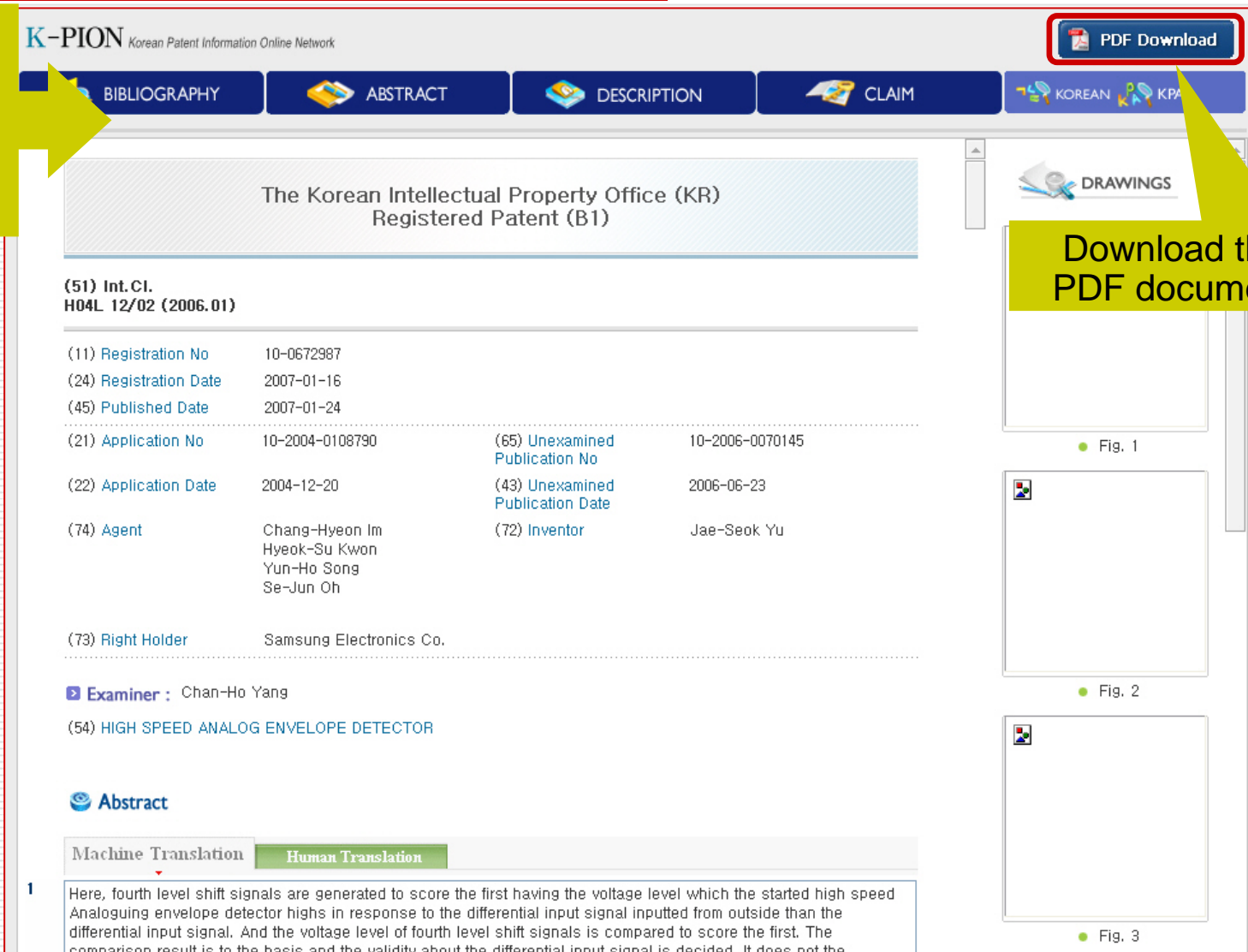
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The Korean Intellectual Property Office (KR)  
Registered Patent (B1)

(51) Int. Cl.  
H04L 12/02 (2006.01)

(11) Registration No	10-0672987	(65) Unexamined Publication No	10-2006-0070145
(24) Registration Date	2007-01-16	(43) Unexamined Publication Date	2006-06-23
(45) Published Date	2007-01-24	(72) Inventor	Jae-Seok Yu
(21) Application No	10-2004-0108790		
(22) Application Date	2004-12-20		
(74) Agent	Chang-Hyeon Im Hyeok-Su Kwon Yun-Ho Song Se-Jun Oh		
(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 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

DRAWINGS

Fig. 1

Fig. 2

Fig. 3

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(51) Int.Cl. 8  
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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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Inventor (IN)	<input type="text"/>	ex) james
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Publication Date (OPD)	<input type="text"/>	ex) 20060122
Application No. (AN)	<input type="text"/>	ex) 1020070000014
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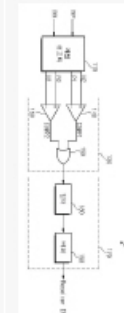
Application No.	1020040108790	Application Date	20/12/2004
Unexamined Publication No.	1020060070145	Unexamined Publication Date	23/06/2006
Examination Request Date	20/12/2004		
Examined Publication No.		Published Date	24/01/2007
Designated Class Code (IPC Code)	H04L 12/02	Number of Claims	13
Representative 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		

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### 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.



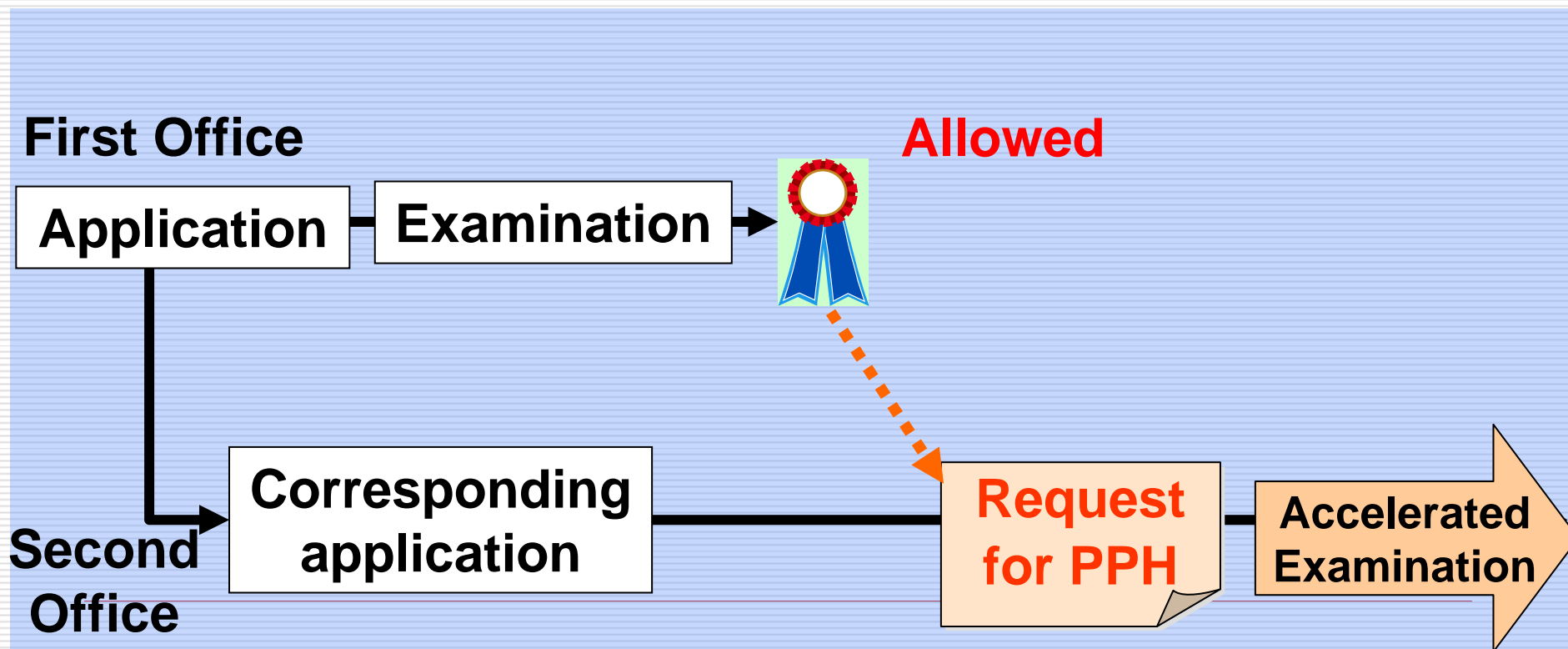
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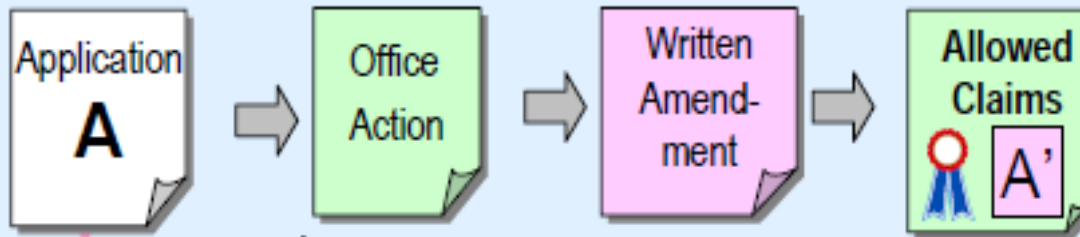
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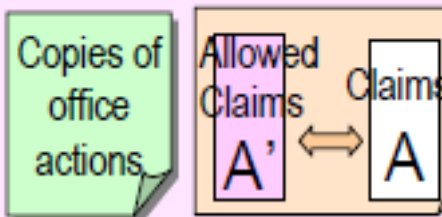
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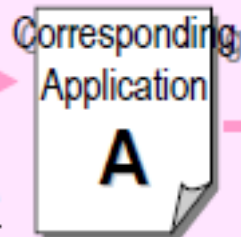


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Claims X must sufficiently correspond to Allowed Claims X'



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Accelerated Exam

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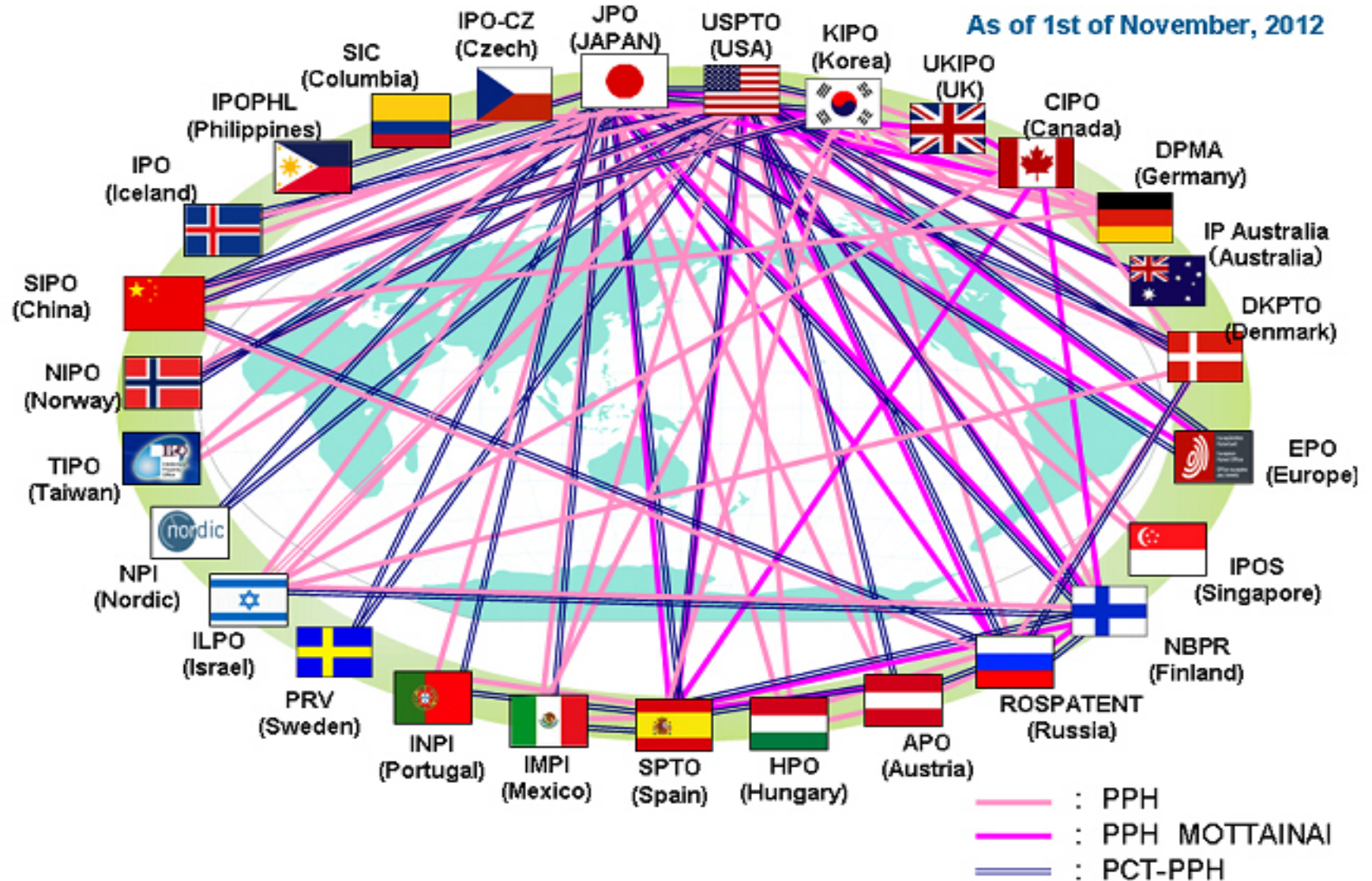
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