

IP Data Quality Management for Online Publication

April 20, 2026

Japan Patent Office



1

IP Data Quality Improvement

2

IP information dissemination

1. IP Data Quality Improvement

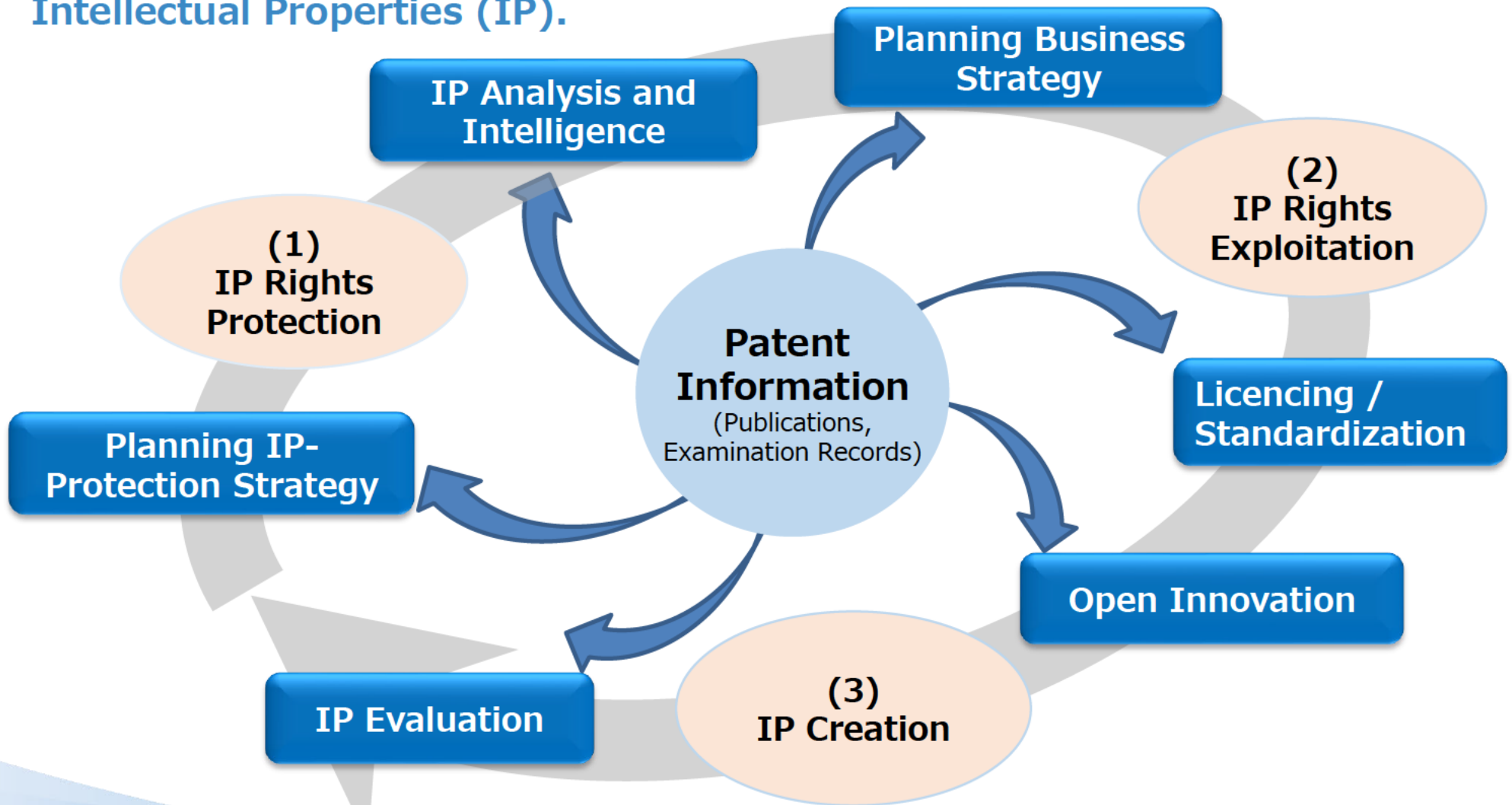
Why does IP information matter?

The strategic information utilized by applicants, researchers, managements

- Prior art search
 - Decision to file application or not, invalidation or opposition
- Infringement search
 - Checking competitor's claim, confirming the IP right still in valid or expired
- Analyzing technology, business(including competitors) and market trend
 - Patent publication = detailed description on new technology
 - Avoiding duplication of R&D, utilizing existing technology
- Understanding social problems in the region
 - Patent gazette describes local problems to be solved by the invention
- Looking for a partner to do a joint research, a potential customer, a potential licensee(licenser)

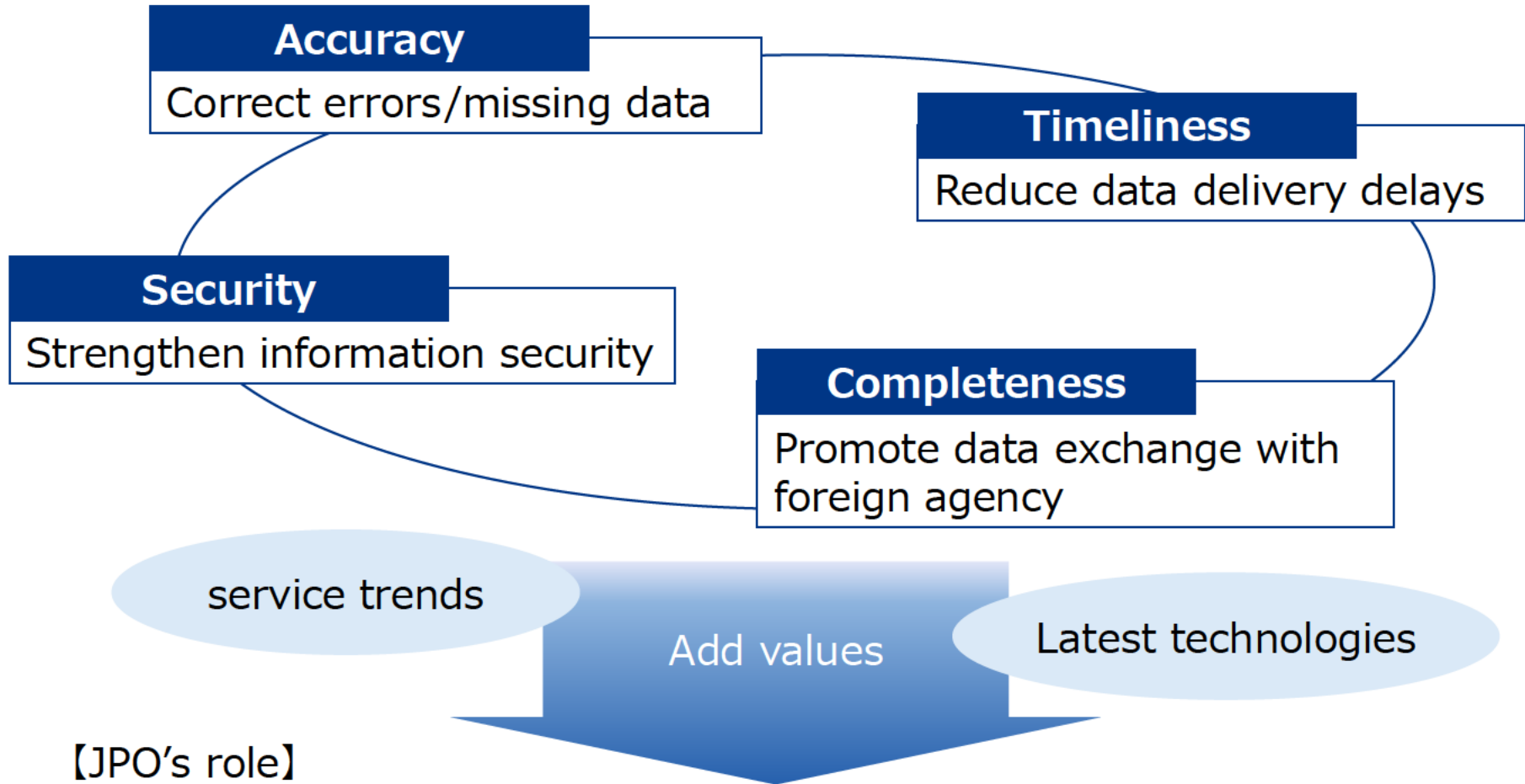
Why does IP information matter?

Patent information is a key driver for business development in utilizing Intellectual Properties (IP).



Policies: Provision of IP Data

- 4 perspectives of JPO provision policies of the primary information



【JPO's role】

- Providing accurate and basic primary information
- Creating a market environment for the private service providers

Initiatives for Data Quality Improvement

- Prevention of Errors
 - Preventing mistakes before data is created or published
- Monitoring of Errors
 - Detecting potential issues through checks and monitoring
- Correction of Errors
 - Correcting identified errors and reflecting updates

Example1: Prevention of Errors

Online Filing Software

Warning:
No "title of invention" is found.
Please click the link to see the
details/for your reference.

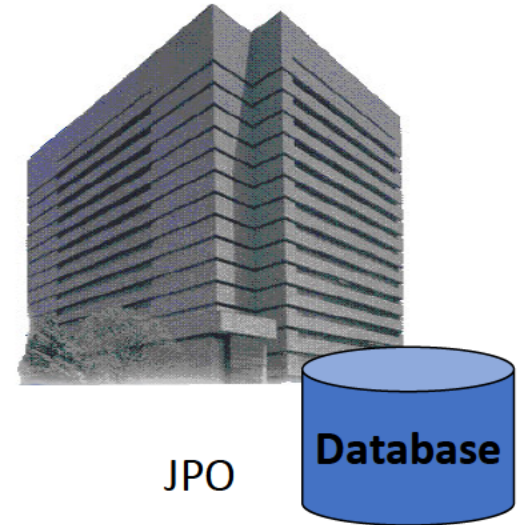


Applicants

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>.....  
.....<  
</app>
```



```
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.<title>.....<  
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JPO

Database

Example2: Prevention of Errors

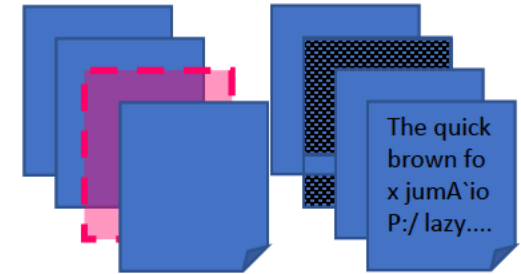
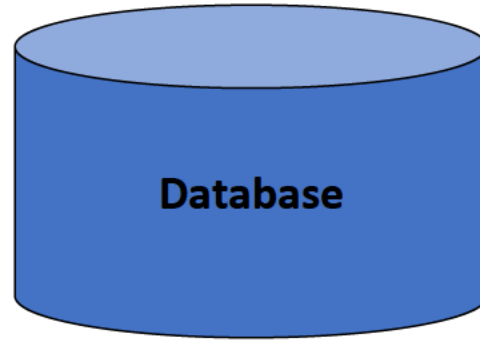
[基本項目] (* 処分済 *)

出願 (1) (11-123456)(11.04.30) 記号 (J1716) 出願種別(01)新法
 公開 (2000-312770)(12.11.14) 公開基準日 (11.04.30) 国内優先 (0)
 公告 () () 優先 () 他 国
 審判 () () () 担当 () ()
 登録 () () 異議 (0) 請求項数 (6) 出願料金(21,000)
 公決 (起) (担) 文献 () 新規性 (0) 菌寄託 (0) 公害 ()
 査定 () (起) (担) 前置 () 解除 () 公序・要約 ()
 (発) (官) 審査・評価請求 (0-) 未請求 (0) 自動起案 ()
 最終 (A09)(18.07.25) 公開準備 (1) 早期審査 ()
 変更先 () () () 審決 () ()
 原出願 () () () 種別 () ()
 期間延長 () 最新起案日 (11.08.02)
 公表 () () () 翻訳提出 () 国際出願 ()
 再公表 () () 国際公開 ()
 公開IPC # A63F 7/02 330 FN 指定分類IPC
 公告IPC
 名称 検査装置
 出願人 代表 () 種 (2) コト (000132747) 国 (10) 株式会社ソフィア *
 群馬県桐生市境野町7丁目201番地
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 岐阜県岐阜市南鷺2丁目19番地
 代理人 種 (1) コト (100096699) 鹿嶋 英實
 中間 (A63) 特許願 11.04.30 (21,000) 完 (A82-1) 手続補足 11.05.06 () 完
 記録 (A11-2) 中間指令 11.08.10 (6895-) A (A52-3) 補正書 11.08.25 () 完
 (A96-7) 認定情報 11.09.01 () (A96-7) 認定情報 11.09.01 ()
 (A300) 未請求票 18.07.04 ()
 新出願
 国内優先(先)

The last 1 digit of the applicant code is a “check digit” and enables us to find some inconsistency before data entry.

Example3: Monitoring and Correction of Errors

Foreign IP offices



data exchange

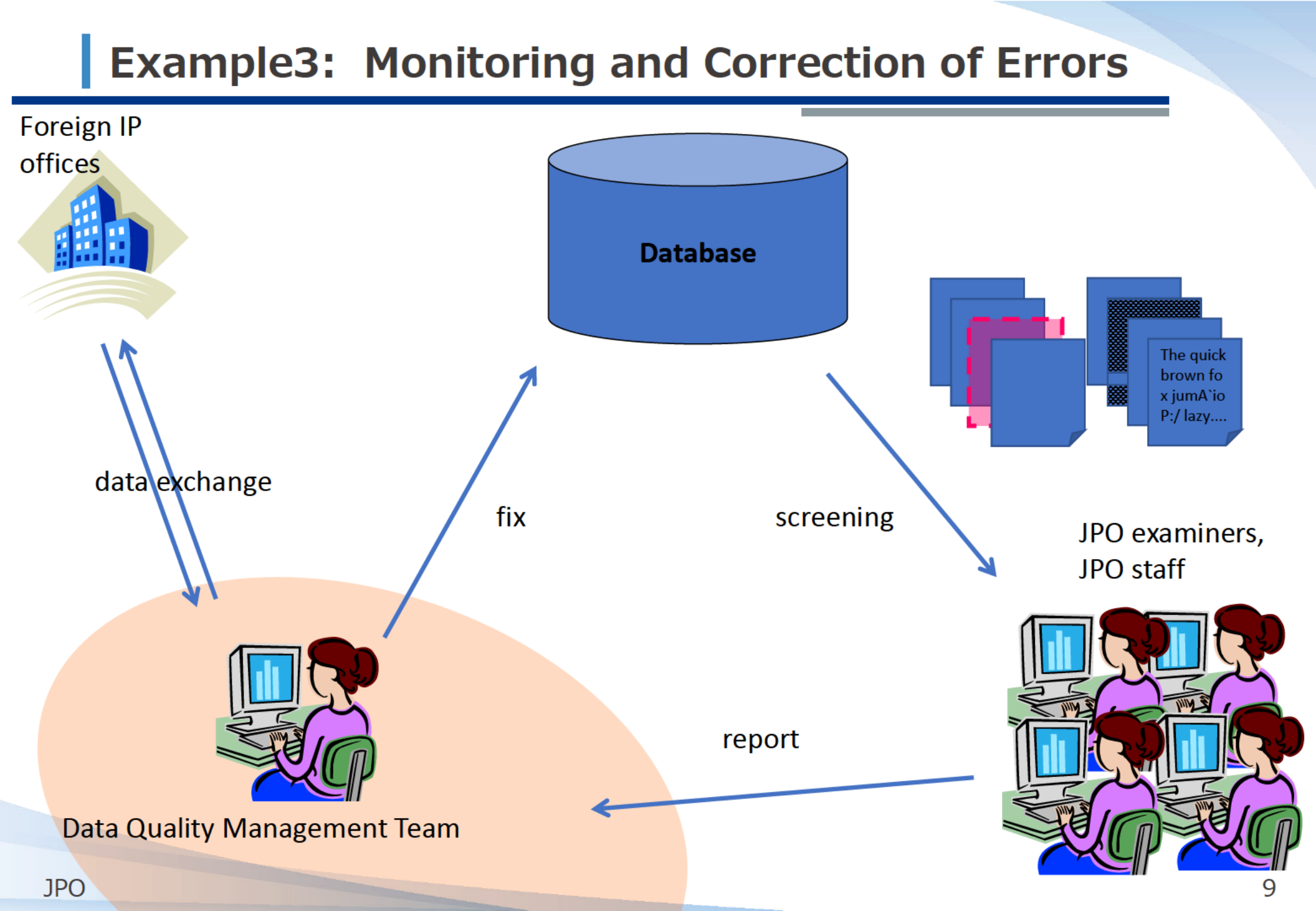
fix

screening

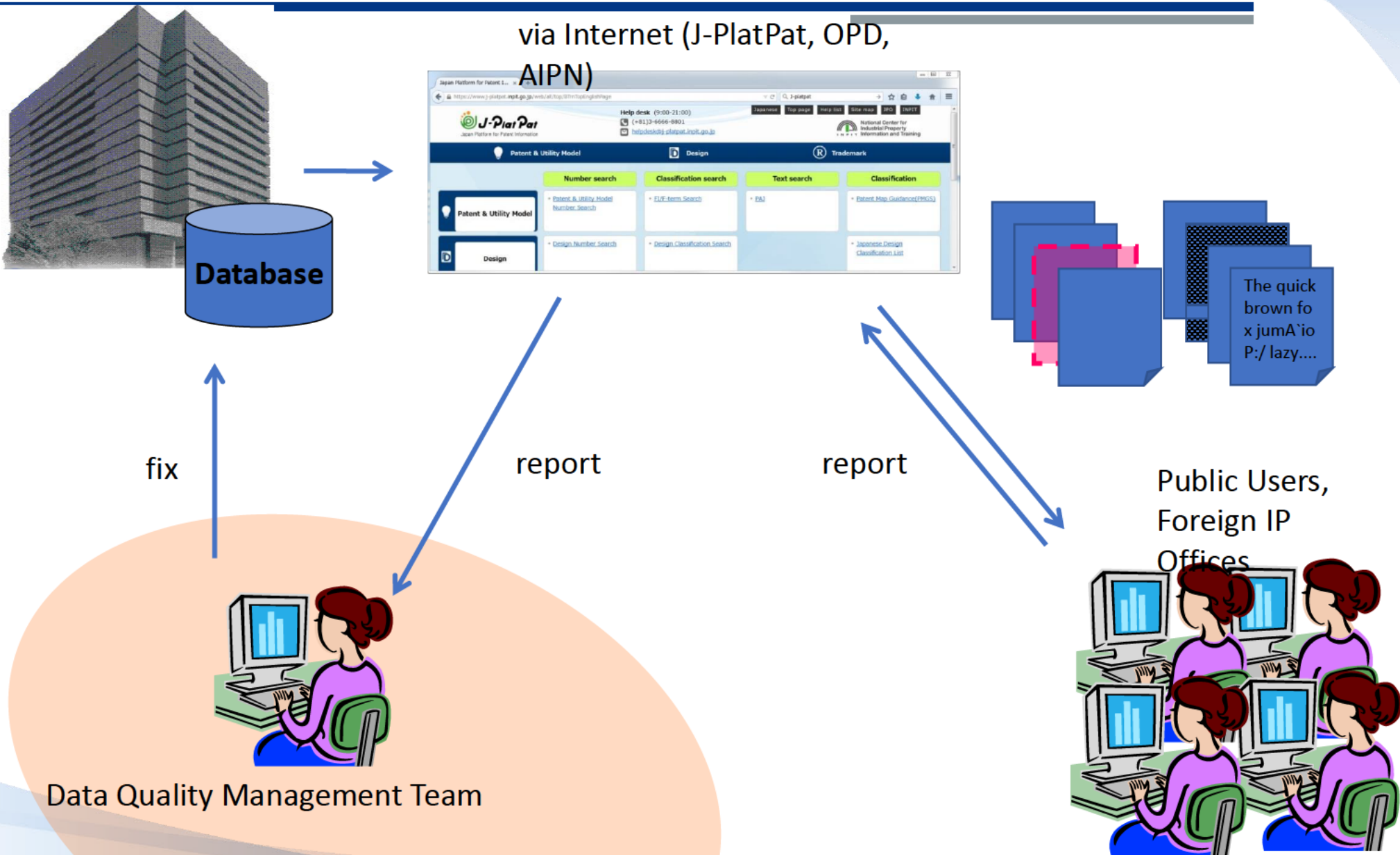
JPO examiners,
JPO staff

Data Quality Management Team

report



Example4: Monitoring and Correction of Errors

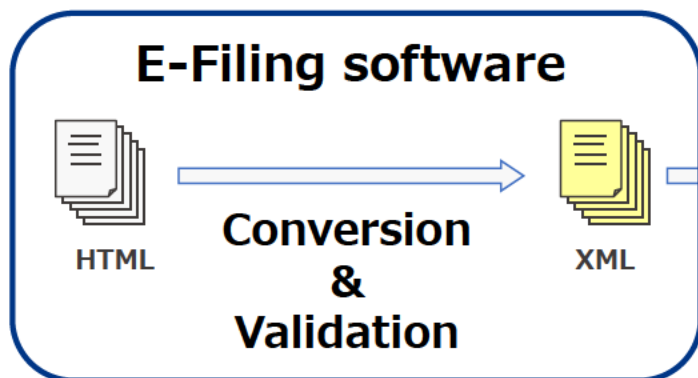


2. IP information dissemination

IT Services for Patent Information Dissemination

The JPO is providing IT services with users for patent information, in addition to the online filing services or others.

Applicants



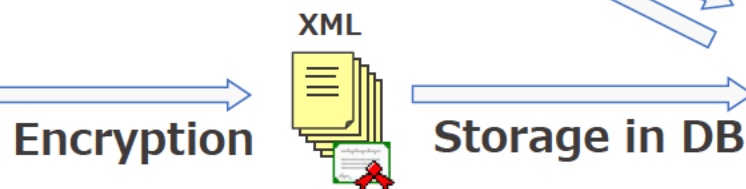
- Preparations in advance
- ✓ Install e-filing software
 - ✓ Register electronic certificate
 - ✓ Obtain Applicant Identifier

Foreign IP Offices



Data exchange

JPO



API

Bulk data download service



Patent Information Dissemination



Public users

Division of roles for IP data provision

【JPO's role】

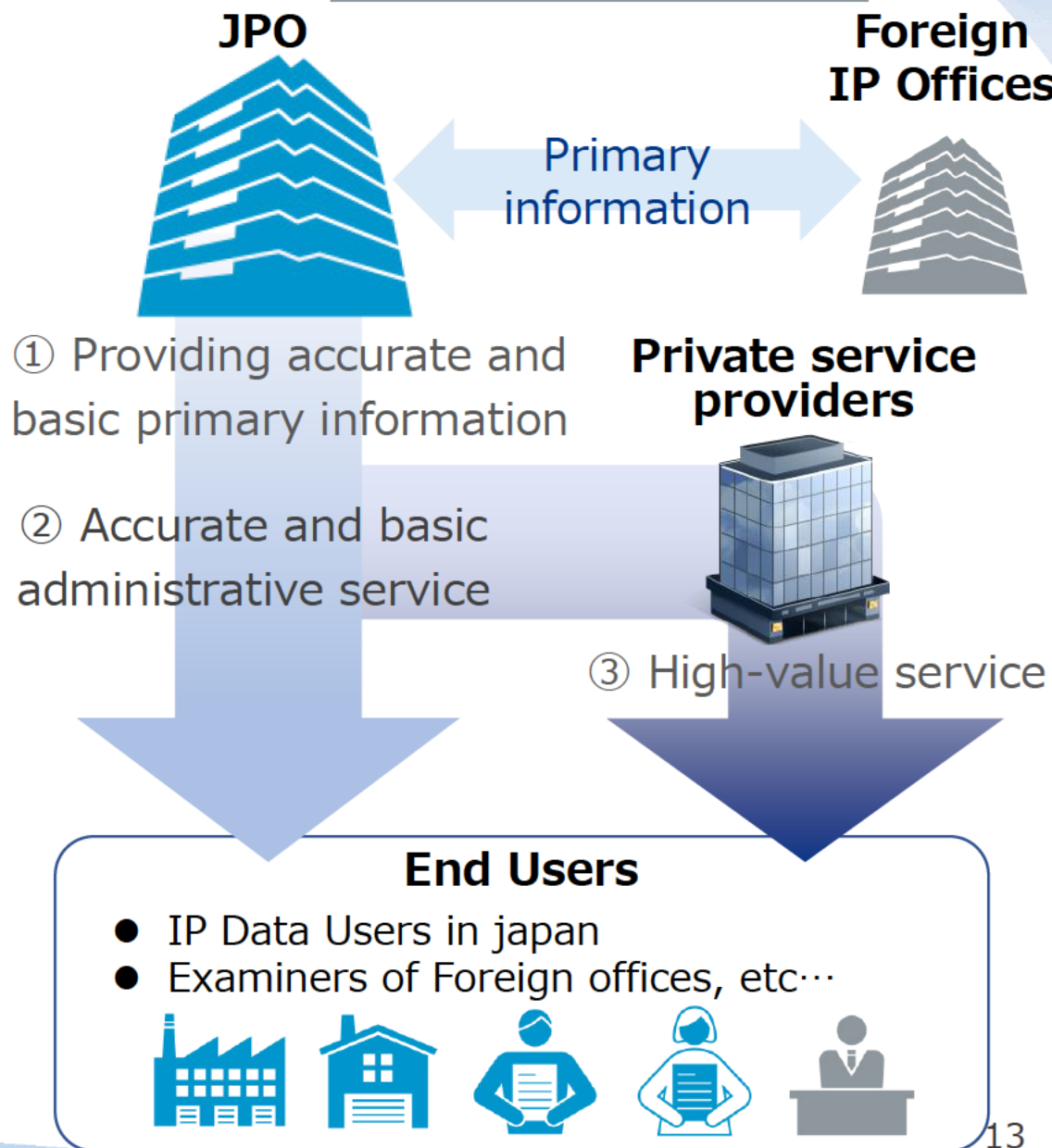
- ① **Providing accurate and basic primary information**
- ② Provide users with basic administrative service (via J-PlatPat, etc...)

【Private service provider's role】

- ③ **Providing high-value service** based on the primary information ex.) High-performance search, IP landscape

【End users】

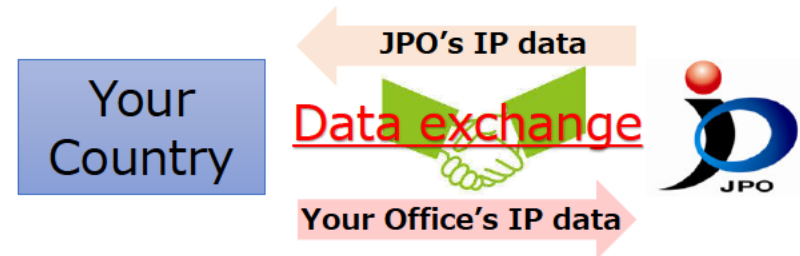
- Use the world's highest level of IP Data service



Data Exchange

What is Data Exchange?

- Sharing official publication data such as patent gazettes, design gazettes, and trademark gazettes with other agencies



For IP Offices

- Examiners can conduct the prior art search with the exchanged data

For Users

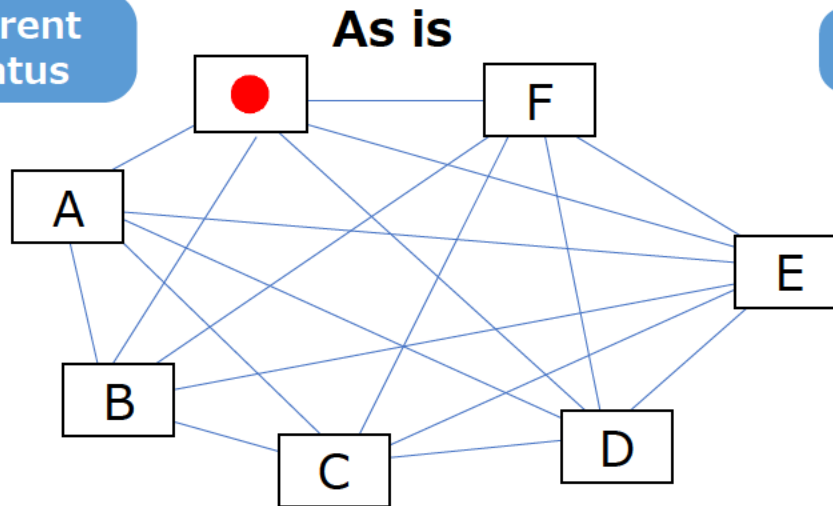
- Infringement search and technology trends search will be more accurate with the exchanged data



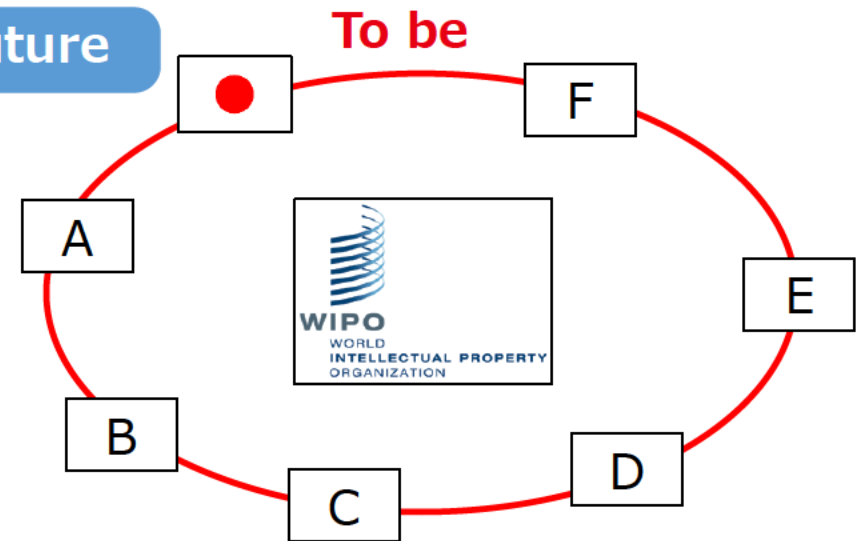
- The data-providing country can solve its own social issues through the introduction of technology by private companies and others in the data-receiving country
- Both countries can boost their economy by welcoming more investments with less barriers for respective market entries
- Quality of examination of both IP office will be improved

New Proposal for Data Exchange – Solution

Current Status



Future



Issues and Solutions

- Currently, data exchange is mainly bilateral, and there is no unified mechanism, making the process complicated. By establishing WIPO standards, data exchange worldwide can be facilitated.

WIPO Standards

- Member states will share a common understanding of the significance of data exchange and build an environment that enables data exchange.

Objective

- To promote global innovation by ensuring the smooth provision of intellectual property information by member states.

J-PlatPat (Platform for IP Information)

➤ J-PlatPat is IP data search service of JPO (run by INPIT), and one of the largest, internet-based patent information databases in Japan.



✓ **180 million Domestic and Foreign Publications**

- Patent, Utility Model, Design, and Trademark
- Examination Records, Trial/Appeal Info. (updated 1 day after the reception)
- Legal Status, Global Dossier Information

✓ **Simple and User-Friendly Interface.**

- "Simple Search" with Keywords Without the Specification of Advanced Criteria
- Machine Translation

✓ **Over 100 Million Accesses per Year**

URL: <https://www.j-platpat.inpit.go.jp/>

J-PlatPat (Screen sample of Model search)

Q Patent/Utility Model Search ▶ Help

You can retrieve patent/utility model publications, foreign documents, and non-patent documents by using keywords in bibliographies, abstracts, and claims, as well as classifications (FI/F-terms, IPC), etc.

Enter a document type and a search keyword to search. (An OR search is performed when you separate search keywords with a space.)

For more information about classification information, see [Patent/Utility Model Classification Search \(PMGS\)](#).

Selective Input Logical Expression Input

Load Search Condition

Search target text

Japanese text English text

Document types

Advanced Settings +

Domestic documents (PAJ) Foreign Documents J-GLOBAL

Search keywords

Search item

Title/name of invention or device

Title/name of invention or device

Abstract

FI

F-term

Facet

IPC

Organization of applicant/right holder/author

Identification number of petitioner

Appeal or trial number

IPC

Delete Add

Keyword

Ex) 'Semiconductor memory device'

Proximity Search

Ex) Composition

Proximity Search

Ex) C04B35/49

Ex) B01B1/00

Title/name of invention or device

Abstract

FI

F-term

Facet

IPC

Organization of applicant/right holder/author

Identification number of petitioner

Appeal or trial number

Priority claim country/region/number

J-PlatPat (Screen sample of retrieved information)

Examination Records

[National Entry Form](#)

[Submission of Translation of International Application](#)

[Description](#)

[Scope of Claims](#)

[Abstract](#)

Submission of evidence

[Written amendment](#)

[Request for Examination](#)

[Notice of Reasons for Refusal](#)

Non-patent document invoice

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Non-patent document invoice

Non-patent document invoice

Non-patent document invoice

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[Written amendment](#)

[Written Opinion](#)

Written supplementation of procedure

[Decision of Refusal](#)

Application Information

Close

Articles on application Patents 2002-
Articles on international PCT/GB2001/
application 30,2002) Sub
finished
Articles on publication of application/JP domestic re-
publication of PCT publication Japanese tran
Articles on registration [5062940](#) (Au
date(Oct.31,2
Articles on priority Claim date(Nc
Articles on Applicant [Swa](#)
applicants/representatives Representative
[SHAMOTO, Ie](#)
Representative
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Representative

(19) 日本国特許(JP) (12) 公表特許公報(A) (11) 特許出願公表番号
特表2004-122714
(P2004-5062940)
(43) 公表日 平成16年7月29日(2004.7.29)

(51) Int. Cl. ⁷ F I テーマコード (参考)
A G 1 K 31/505 A G 1 K 31/505 4 C 0 8 6
A G 1 P 3/06 A G 1 P 3/06
A G 1 P 3/10 A G 1 P 3/10
A G 1 P 9/00 A G 1 P 9/00
A G 1 P 9/10 A G 1 P 9/10 I O 3
審査請求 未請求 予備審査請求 有 (全 43 頁) 最終頁に続く

(21) 出願番号 特願2002-544073 (P2002-544073) (71) 出願人 300022641
(86) (2) 出願日 平成13年11月16日(2001.11.16) アストラゼネカ アクチボラダ
(85) 翻訳文提出日 平成15年5月22日(2003.5.22) スウェーデン 1 5 1 8 5 セーラル
(86) 国際出願番号 PCT/GB2001/005041 テルイエ (無地域)
(87) 国際公開番号 W02002/041895 (74) 代理人 100089705
(87) 国際公開日 平成14年5月30日(2002.5.30) 弁理士 社本 一夫
(31) 優先権主張番号 0028429.9 (74) 代理人 100078691
(32) 優先日 平成12年11月22日(2000.11.22) 弁理士 増井 忠武
(33) 優先権主張国 英国 (GB) (74) 代理人 100075270
(74) 代理人 弁理士 小林 泰
100080137
弁理士 千葉 昭男
(74) 代理人 100096013
弁理士 富田 博行

(54) 【発明の名称】 ヘテロ型家族性高コレステロール血症の治療におけるロスバスタチン (ZD-4522) の使用

(57) 【要約】
本発明は、化合物 (E) - 7 - [4 - (4 - フルオロフェニル) - 6 - イソプロピル - 2 - [メチル (メチルスルホニル) アミノ] ピリミジン - 5 - イル] (3 R , 5 S) - 3 , 5 - ジヒドロキシヘプト - 6 - エン酸、または医薬的に受容可能なその塩を投与することによる、ヘテロ型家族性高コレステロール血症の治療法を提供する。

最終頁に続く

Bulk data download service (Standardized Data)

- ✓ **Standardized Data** is dataset comprising bibliographic data, dossier information, and legal status of IP data
- ✓ Main use is to build private IP databases
- ✓ Each data generated on the previous day is provided (1 day lag)

Standardized Data

Dataset of Bibliographic and Legal Status information of IP data

Utilized as data source Provided to build IP DBs

J-PlatPat

Private Service Providers

Basic search,
Dossier Search,
etc.

High-Performance
Search,
IP landscape, etc.

End Users

Sample of Standardized Data

Law Code
1: Patents

Application
Number

Date of
Update

law_cd	app_num	ac	delete_flg	ac	update_dt
1	1994103431	N	20141227000000	N	199
1	2002135016	N	20141227000000	N	200
1	2004095829	N	20141227000000	N	200
1	2011033302	N	20141227000000	N	201
1	2011104282	N	20170721193743	N	201
1	2011104692	N	20160725195549	N	201
1	2011186841	N	20170208090352	N	201
1	2011210067	N	20170424090355	N	201
1	2011212936	N	20171102090403	N	201
1	2011218662	N	20180926090341	N	201

API Service

- Users can flexibly utilize patent information data provided via the API in their own applications.



Registered
Users

API Requests from User-built Apps



**Provides structured data
suitable for machine
processing (e.g.,JSON, XML).**



**Japan Patent
Information
Retrieval API**

(API to retrieve domestic
patent, design, and
trademark application
information)

Examples of

Using the Patent Information Retrieval API

- Management of one's own patent applications
- Document review and preparation of templates
- Monitoring of third-party applications, etc

Start of Trial Provision of the

Patent Information Retrieval API

- From January 2022: Domestic patents
- From April 2023: Domestic designs and trademarks

API Service – Patent

	Types of API	Types of files	Access per day
1	Application History	JSON	800
2	Application History(simple)	JSON	800
3	Divisional information	JSON	60
4	Priority information	JSON	60
5	Applicant name	JSON	400
6	Applicant code	JSON	400
7	Patent number reference	JSON	100
8	Applied document	XML (in a ZIP file)	200 or 1000※
9	Office action document	XML (in a ZIP file)	200 or 1000※
10	Notice of Reasons for Refusal	XML (in a ZIP file)	200 or 1000※
11	Cited document	JSON	100
12	Registration information	JSON	400
13	J-PlatPat Fixed Address	JSON	400
14	National Phase Application Number	JSON	400

Thank you!

Japan Patent Office

