





2022 PI/C KIPRO

Introduction of KIPRIS

About KIPRIS

KIPRIS is
the most comprehensive free intellectual property information search service in Korea on the internet.

The diagram illustrates the features of KIPRIS around a central computer monitor displaying the KIPRIS website. Five circular callouts are connected to the monitor by lines:

- Plenty Information:** Korean patents since 1947, Foreign patents since 1980.
- Accurate Information:** KIPRO's electronic applications database.
- Various Information:** Bibliographic information, full text, administrative & examination status, trial status, registration status, etc.
- Rapid Information:** Daily Update.
- Customer Onehead Information:** Help Desk.

KIPRIS

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Introduction of KIPRIS

Goals and History

Goals

- To establish IPR infrastructure strengthening industry's competitiveness
- To encourage R&D activities and prevent duplication of investment

History

Year	Event
'96	Launched commercial service
'99	Included KPA data in KIPRIS
'00	Converted paid services to free service
'04	Opened English interfaces for Korean IPR search
'08	Introduced cross lingual retrieval system
'13	Launched mobile service
'15	Providing 'Sentence Search' service
'17	Providing Cited & Citing information in Patent & Utility model
'19	Providing DOI & QR code service on Trademark and Design search
'21	Providing 'Online Download Representative Drawing' service

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Introduction of KIPRIS

Statistics

More than 1 million users annually use more than 80 million searches per year

Number of KIPRIS website visitors

(Unit: thousand)

Year	Number of visitors (thousand)
2003년	4,103
2008년	15,913
2013년	18,596
2018년	28,657
2021년	32,809

Number of searches(indicated in pink) and users(indicated in blue)

(Unit: thousand(pink), number of IP(blue))

Year	Searches (thousand)	Users (number of IP)
2003년	5,513	-
2008년	18,699	-
2013년	40,804	-
2018년	56,257	1,054,546
2021년	89,188	1,427,891

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II.

Features of KIPRIS

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II Features of KIPRIS Smart Search

Right	<input checked="" type="checkbox"/> Patent <input checked="" type="checkbox"/> Utility model	
Status	<input checked="" type="checkbox"/> Entire <input checked="" type="checkbox"/> Unexamined <input checked="" type="checkbox"/> Withdrawn <input checked="" type="checkbox"/> Ended <input checked="" type="checkbox"/> Abandoned <input checked="" type="checkbox"/> Invalidated <input checked="" type="checkbox"/> Rejected <input checked="" type="checkbox"/> Registered	
Free Search (Full Text)	<input cellularphone")"="" type="text" value="ex) car engine (in sentence search, "/> and ▼	
Content Search	Title of invention (TL)	ex) phone touch screen, electronic"cash, "cellularPhone" and ▼
	Abstract (AB)	ex) car + clutch, "dataSignal" and ▼
	Claims (CL)	ex) car + clutch, "dataSignal" and ▼
	Description (DS)	ex) car + clutch, "dataSignal" and ▼
	Content Total (CT)	ex) car + clutch, "dataSignal" and ▼
IPC	ex) G06Q + H04Q and ▼	
CPC	ex)G06Q and ▼	
Number	Application No. (AN)	ex) 1020150123456 and ▼
	Unex. Pub. No. (OPN)	ex) 1020160123456 and ▼
	Int'l Application No. (FN)	ex) PCT/US1995/012345 and ▼
Date	Publication Date (PD)	ex) 20101130 and ▼
	Registration Date (GD)	ex) 20101130 and ▼
	Int'l Application Date (FD)	ex) 20101130 and ▼
Priority info.	Priority No. (RN)	ex) JPP2007097079 and ▼
	Priority Date (RD)	and ▼
Name/No/Address	Applicant (AP)	ex) Korea, 219990043221, Seoul"university" and ▼
	Agent (AG)	ex) KIMChu/Soo, 919980000341, Seoul and ▼
	Exclusive Licensee (EL)	ex) Corporation, 219950177999, Seoul and ▼
	Inventor (IN)	ex) KIMChu/Soo, 419990364727, Seoul"university" and ▼
	Patentee (PG)	ex) Korea, 219990043221, Seoul"university" and ▼
	Non-exclusive Licensee (NL)	ex) Corporation, 220050461598, Seoul and ▼

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Features of KIPRIS

Search Wizard for Beginner

The screenshot shows the KIPRIS Search Wizard interface. It includes a navigation menu with 'SEARCH', 'REPORT', 'FAQ', 'GUIDE', and 'APPLY'. The main content area features a 'Search Wizard' section with three numbered steps: 1. Select a right, 2. Making search word and search formula, and 3. Using recommended search functions/methods. Annotations in yellow boxes provide additional instructions: 'Select a right' points to the 'Simple Search' and 'Search Formula' tabs; 'Making search word and search formula' points to the 'Enter search word or search formula' input field; 'Using recommended search functions/methods' points to the 'IPC' section. A 'Restart' button is located in the top right corner. The bottom of the page features the KIPRIS logo and the page number '9'.

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Features of KIPRIS

Machine Translation

Provide "Korean to English" free machine translation service
 * In Korean KIPRIS website, "Korean to English", "English to Korean", "Japanese to Korean", and "Chinese to Korean" translation service is provided

SYSTEM AND METHOD FOR RECOGNIZING LICENSE PLATE BASED ON SMART PHONE

Details: Korean, Full Text, PIML, Full Text, Request, Details, Administration

Machine Translation

Inventor	JungJehun LEECHULHOON
Applicant	Seongnam City Development Corporation Jung Je Mun
Rightholder	Seongnam City Development Corporation Jung Je Mun

발명의 명칭
스마트 폰 기반 차량 번호판 인식 시스템 및 방법

요약
스마트 폰 기반 차량 번호판 인식 시스템 및 방법의 개시된다. 스마트 폰(smart phone) 기반 차량 번호판 인식 시스템에 있어서, 불법 주차가 가능한 불법주차 공간 뷰핀(view find) 영역 촬영 장치 불법 주차가 가능한 차량 번호판을 촬영하는 스마트 폰 카메라(smart phone camera) 및 상기 스마트 폰 카메라에 연결된 불법 주차 가능한 차량 번호판에 대해 영상 처리를 수행하고 OCR(Optical Character Reader) 기능을 수행하여 차량 번호를 식별하고, 식별된 차량 번호를 저장하는 메모리를 포함한다. 상술한 스마트 폰 기반 차량 번호판 인식 시스템 및 방법에 의하면, 별도의 고정형 CCTV나 기타 부속 카메라를 사용하지 않고도 스마트 폰을 통해 불법 주차 가능한 차량 번호를 촬영하여 인식할 수 있는 효과가 있다. 본 발명에 의해 불법 주차 가능한 차량 번호를 촬영하여 불법 주차 가능한 차량 번호를 구별함으로써, 배터리(battery)의 소모를 줄일 수 있는 효과가 있다. 또한, 스마트 폰 프로세서의 성능 향상을 통해 불법 주차 가능한 차량 번호를 촬영하고, 스마트 폰 카메라 렌즈에 의해 촬영된 불법 주차 가능한 차량 번호를 식별하는 속도를 향상시켜 불법 주차 가능한 차량 번호를 식별하는 효율을 높일 수 있는 효과가 있다.

Title of Invention
SYSTEM AND METHOD FOR RECOGNIZING LICENSE PLATE BASED ON SMART PHONE

Abstract
Smart phone base vehicle number recognition system and method are initiated. As to the smart phone camera, illegal parking stopping vehicle takes a picture by the smart phone camera and designating the license plate of the illegal parking stopping vehicle about the illegal parking stopping vehicle through the view find domain and taken a photograph performs the OCR (Optical Character Reader) function and recognizes clearly the license plate number and stores the acknowledged license plate number in the memory. It has the effect that according to above-described smart phone base vehicle number recognition system and method, the illegal parking stopping vehicle is anytime taken a picture of in the where with the smart phone in state of not using and can control the separate fixed type CCTV or the vehicle adhesive migration type CCTV. Especially, it has the effect that in 3 minutes, it is configured to take a picture of automatic without the need to the moving picture photographing for the long time between 3 minutes at the predetermined time gap. In that way the consumption of the battery can be reduced. Moreover, it has the effect that it is configured to amend being avoided using the inclination performing showing of light and darkness of the image using the illumination sensor with the smart phone (illumination sensor) and is sensed with the smart phone inclination sensor of the image. In that way the problem of the image as well as the photography is amended to the smart phone one and the correct recognition rate can be enhanced.

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Features of KIPRIS Online Download

Step 1 : Download Range Choose download range

- Current screen(Bookmarks)
- Range 1 ~ 100
- All

Step 2 : File Format Select File Format : Excel or Text are possible

- Excel(.xls)
- Text(.rtf)

Step 3 : Select Item

All bibliography

- Publication No.
- Publication Date
- Unex. Pub. No.
- Unex. Pub. Date
- Registration No.
- Registration Date
- Submission date of the translated texts.
- Right of Org. Application No.
- Org. Application Date
- Request for an examination(Date)
- Number of claims
- Inventor
- Agent
- Priority

Items to download

- Examination Status
- Application No.
- Application Date
- Title of Invention
- Applicant
- IPC
- CPC

Optional service : Representative Drawing

- Representative Drawing

KIPRIS 11 KIPRIS Plus

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Features of KIPRIS Cross-Lingual Retrieval

Search Query: Patent phone

Total 97,298 Articles Only "Phone" in Eng.

Cross-lingual retrieval

Search Query: Patent phone

Total 619,824 Articles "Phone" 관련, 전화기

Application No.(Date) : 1020090070539 (2009.07. ...)

IPC : G06Q 50/10 H04W 4/18

Application No.(Date) : 1020000003465 (2000.01. ...)

IPC : H04M 1/253 G06Q 30/02

KIPRIS 12 KIPRIS Plus

III. Introduction of KIPRISPlus

Intellectual Property

KIPRIS

Service

Trademark

Design

Patent

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III Introduction of KIPRISPlus KIPRISPlus

KIPRISPlus

Find the best way to create a new, innovation service with our BUIK DATA, Open API

History

- Implementation of REST API service
- Online download official launching
- KIPRISPlus official launching
- IP Help-Desk service launching

('10. 01.) KIPRISPlus Beta service open (SOAP Open API Only for free)

('12. 09.) KIPRISPlus Official launching

('14. 12.) Renewal of Open IP Platform and Implementation of REST API service

('16. 01.) Improvement of IP dissemination and utilization system

('18. 09.) Online download Beta service launching

(' 21.06.) Online download service official launching

KIPRIS 14 KIPRIS Plus

2022 PI/FC KIPO Introduction of KIPRISPlus KIPRISPlus

Products

- Bulk Data** 114 Products
- REST API** 69 Products
- SOAP API** 58 Products

Main Products

- ✓ Korea IP Data (20products)
 - Patents, Utility Models
 - Cited/Citing Patents, Utility Models
 - Trademark
 - Designs
- ✓ Korea administration(11products)
 - Notification of Refusal
 - Notice of Allowance
 - Legal Status
 - Notice of Amendment
- ✓ Overseas IP Data (13country, 47products)
 - USA, EU, China, Japan, WIPO, Mexico, Sweden, Israel, Spain, IPARIPO
- ✓ Processed Data (37products)
 - Patents Created from National R&D Business
 - Glossary of Patent Technology Terms
 - KPA
 - AI Data

KIPRIS 15 KIPRIS Plus

2022 PI/FC KIPO Introduction of KIPRISPlus KIPRISPlus

Products : 114 Bulk Data and 69 Open API
541 Service users, API usage 20milions

KIPRISPlus Users

Year	유료 (Paid)	무료 (Free)	Total
2018	69	132	201
2019	70	213	283
2020	80	341	421
2021	72	469	541
2022. 8월	73	266	339

KIPRISPlus APIUsage

Year	Usage
2018	958
2019	1,040
2020	1,233
2021	2,003
2022. 8월	1,375

Registered Services

WIPPS, coupang, KODATA, KIM & CHANG, CPA GLOBAL, Clarivate, 서울대학교 (Seoul National University)

KIPRIS 16 KIPRIS Plus

III Introduction of KIPRISPlus Field of Use

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01 University & Research Institute
Used with its own information system for managing business performance and research outcome

02 Banking Industry & Public Institution
Used for customized information search for patent trade, evaluation, security, etc.

03 Small and Medium-Size Enterprise
Development of various solutions for creating a high value profit

KIPRIS Plus

KIPRIS 17 KIPRIS Plus

IV. How to use KIPRISPlus

Intellectual Property

KIPRIS

Service

Trademark

Design

Patent

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IV How to use KIPRISPlus

KIPRISPlus

01

Home Page

Explain main page

02

Bulk Data

How to use Bulk Data?

03

Open API

How to use Open API?

04

Payment

Payment method

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IV How to use KIPRISPlus

Home Page

01

Home Page

Notices	IP Data amendment	Corporate PR
KIPRISPlus Service temporarily unavailable	2022-05-14	Patent Advisor
New IP products are now available	2022-05-31	Use Plus
New IP products are now available	2022-07-28	WINTELLIPS
New IP products are now available	2022-07-20	INTOMARK

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IV Howto use KIPRISPlus Bulk Data Download

02 Bulk Data Download

The screenshot shows the 'BULK' section of the KIPRISPlus interface. On the left, there are filters for 'By Service Type' (API, BULK) and 'By Classification System' (Free Data). A search bar is present. A table lists various patent services with columns for No., Service Name, Category, Status, and Type. A red dashed box highlights the table and the 'PLAY NOW!' button.

No.	Service Name	Category	Status	Type
1	Patent Utility Model-Pro-Guest	Patent	Lower Intellectual P.	0
2	Patent Utility Model-Guest	Patent	Lower Intellectual P.	0
3	Administrative Proceedings(Patent Utility Model)	Patent	Lower Intellectual P.	0
4	Check Patent Utility Model	Patent	Lower Intellectual P.	0
5	Check Patent Utility Model	Patent	Lower Intellectual P.	0
6	Recording of Change of Classification Code(Patent Utility Model)	Patent	Lower Intellectual P.	0
7	Patent Online	Patent	Lower Intellectual P.	0
8	Recording of Change of Claim	Patent	Lower Intellectual P.	0
9	Patent Term Extended	Patent	Lower Intellectual P.	0
10	Designs	Design	Lower Intellectual P.	0

The screenshot shows the detailed view of a selected service, 'Patent Utility Model-Pro-Guest'. It includes fields for Classification System, Problem, Applicant, Registered, and Tag. A 'PLAY NOW!' button is visible. A red dashed box highlights the 'PLAY NOW!' button and the 'Patent Utility Model-Pro-Guest' header.

IV Howto use KIPRISPlus Open API

03 Open API

The screenshot shows the 'API' section of the KIPRISPlus interface. It features the same search filters as the Bulk Data Download page. A table lists various patent services. A red dashed box highlights the table and the 'PLAY NOW!' button.

No.	Service Name	Category	Status	Type
1	Open Utility Model-Publication	Patent	Lower Intellectual P.	0
2	Administrative Proceedings(Patent Utility Model)	Patent	Lower Intellectual P.	0
3	Check Patent Utility Model	Patent	Lower Intellectual P.	0
4	Check Patent Utility Model	Patent	Lower Intellectual P.	0
5	Recording of Change of Classification Code(Patent Utility Model)	Patent	Lower Intellectual P.	0
6	Patent Online	Patent	Lower Intellectual P.	0
7	Recording of Change of Claim	Patent	Lower Intellectual P.	0
8	Patent Term Extended	Patent	Lower Intellectual P.	0
9	Designs	Design	Lower Intellectual P.	0
10	Administrative Proceedings(Design)	Design	Lower Intellectual P.	0

The screenshot shows the detailed view of a selected service, 'Patent Utility Model-Publication'. It includes fields for Classification System, Problem, Applicant, Registered, and Tag. A 'PLAY NOW!' button is visible. A red dashed box highlights the 'PLAY NOW!' button and the 'Patent Utility Model-Publication' header.

IV How to use KIPRIS Plus Payment

04 Payment

The screenshot displays the KIPRIS Plus payment interface. It includes a navigation bar with 'KIPRIS Plus', 'Patent Information', 'Data List', 'Data Service', 'Sharing Info', and 'Information Use'. A 'Cart' section is visible with a 'PLAY NOW' button. The main content area shows a 'Purchase History' section with a search bar and an 'Order List' table. The table has columns for 'Order Number', 'Order Date', 'Amount of payment', 'Product Type', and 'Job Info'. Below the table, there are sections for 'Estimate' and 'Verify by VISA'. Red dashed boxes and numbered callouts (01-05) highlight specific areas: 01 points to the 'PLAY NOW' button, 02 to the 'Cart' section, 03 to the 'Snake Request Info' form, 04 to the 'Report' button, and 05 to the 'Verify by VISA' section.

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Thank you

Intellectual Property

KIPRIS

Service

Trademark

Design

Patent

The slide features a dark blue background with a geometric pattern of white lines and dots. The text 'Thank you' is prominently displayed in white. To the right, there are several icons and labels: 'Intellectual Property' with a gear icon, 'KIPRIS' with a lightbulb icon, 'Service' with a lightbulb icon, 'Trademark' with a red circular icon containing a white 'G', 'Design' with a lightbulb icon, and 'Patent' with a lightbulb icon. A large, stylized blue and white graphic resembling a flower or a starburst is positioned on the right side of the slide.

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