



Patentability of Computer Software in Europe

Dr. Eng. Marco Celestino

Italian IP consultant

European patent attorney

European trademark attorney

European design attorney



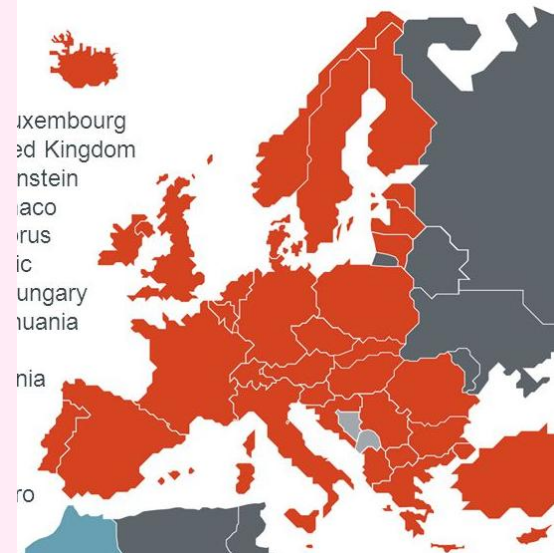
Three keywords



Europe

Computer software

Patentability



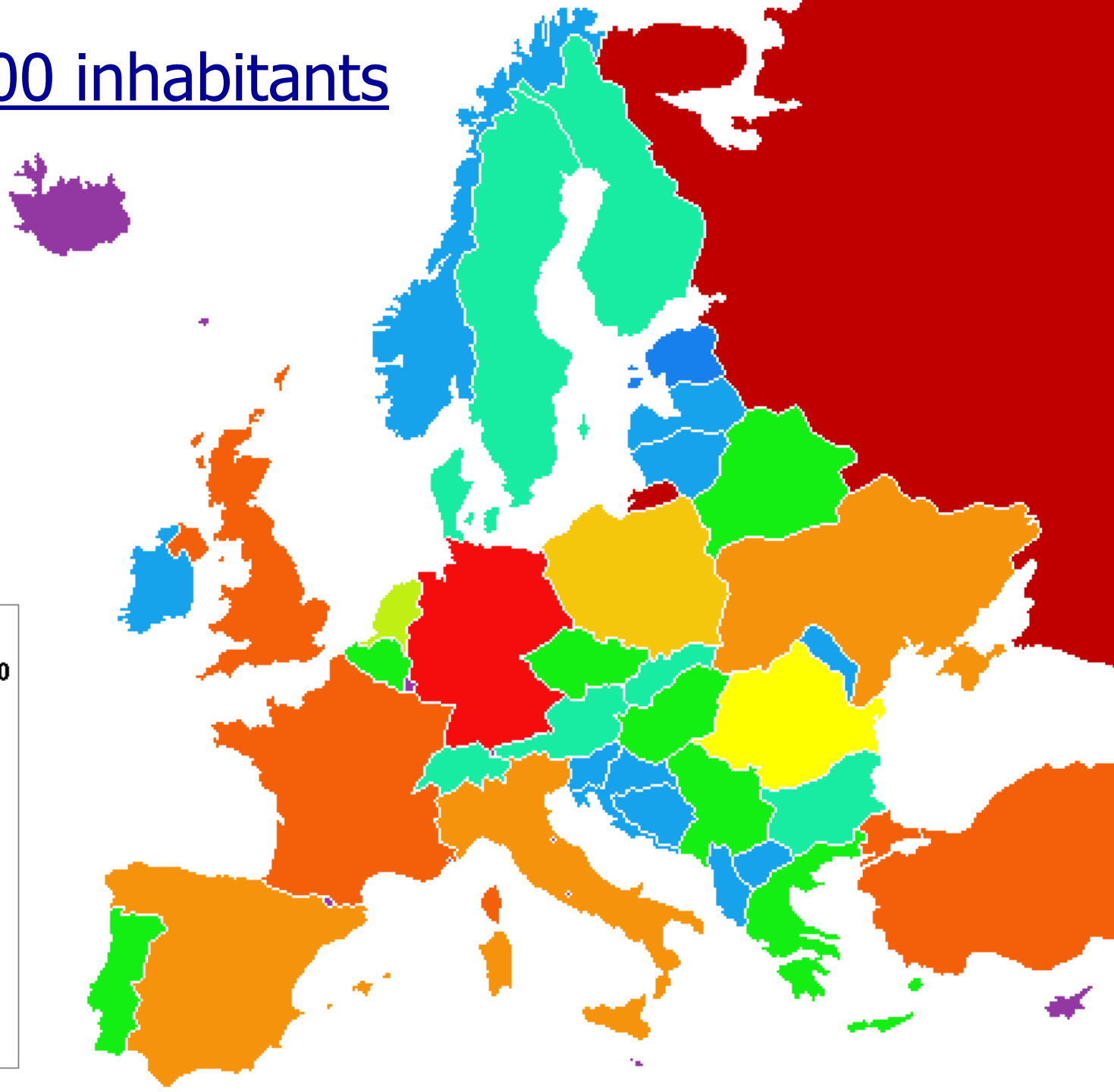
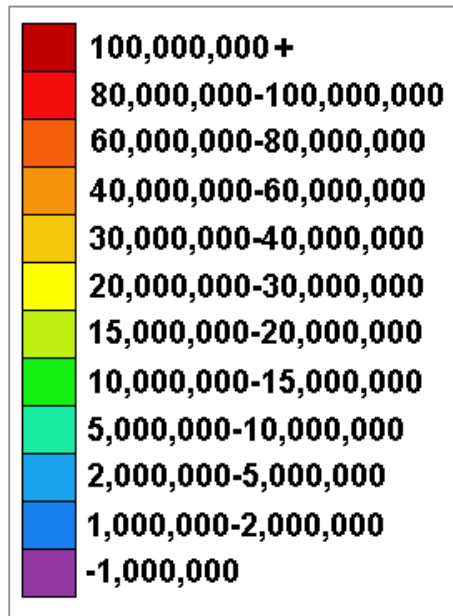
Each state has a different patent law

- | | |
|-------------------------|---------------|
| 1. San Marino | 6. Andorra |
| 2. Città del Vaticano | 7. Malta |
| 3. Liechtenstein | 8. Montenegro |
| 4. Lussemburgo | 9. Kosovo |
| 5. Principato di Monaco | |



Brevetto
Patent
Brevet
Patentti
Einkaleyfi
Πατέντα
Patentas
ПАТЕНТ
Találmány
Octrooi

850.000.000 inhabitants



European Patent Organisation



European
Patent
Office

38 European member states

Belgium • Germany • France • Luxembourg
Netherlands • Switzerland • United Kingdom
Sweden • Italy • Austria • Liechtenstein
Greece • Spain • Denmark • Monaco
Portugal • Ireland • Finland • Cyprus
Turkey • Bulgaria • Czech Republic
Estonia • Slovakia • Slovenia • Hungary
Romania • Poland • Iceland • Lithuania
Latvia • Malta • Croatia • Norway
Former Yugoslav Rep. • Macedonia
San Marino • Albania • Serbia

2 European extension states

Bosnia-Herzegovina • Montenegro

1 Validation state

Morocco



Getting patents – the European Patent Convention

EN / FR / DE

European Patent Office – The EPC 1973 (revised 2000)

EPO
Search



EPO
Publication



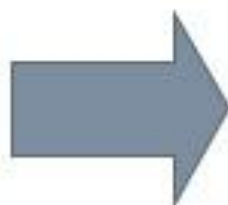
Examination



Grant
Publication



A “bundle” of national rights to be licensed or litigated separately in each member state. Applicant pays for as many states as needed.



Opposition
(9 months)



Validated
nationally



File
translations

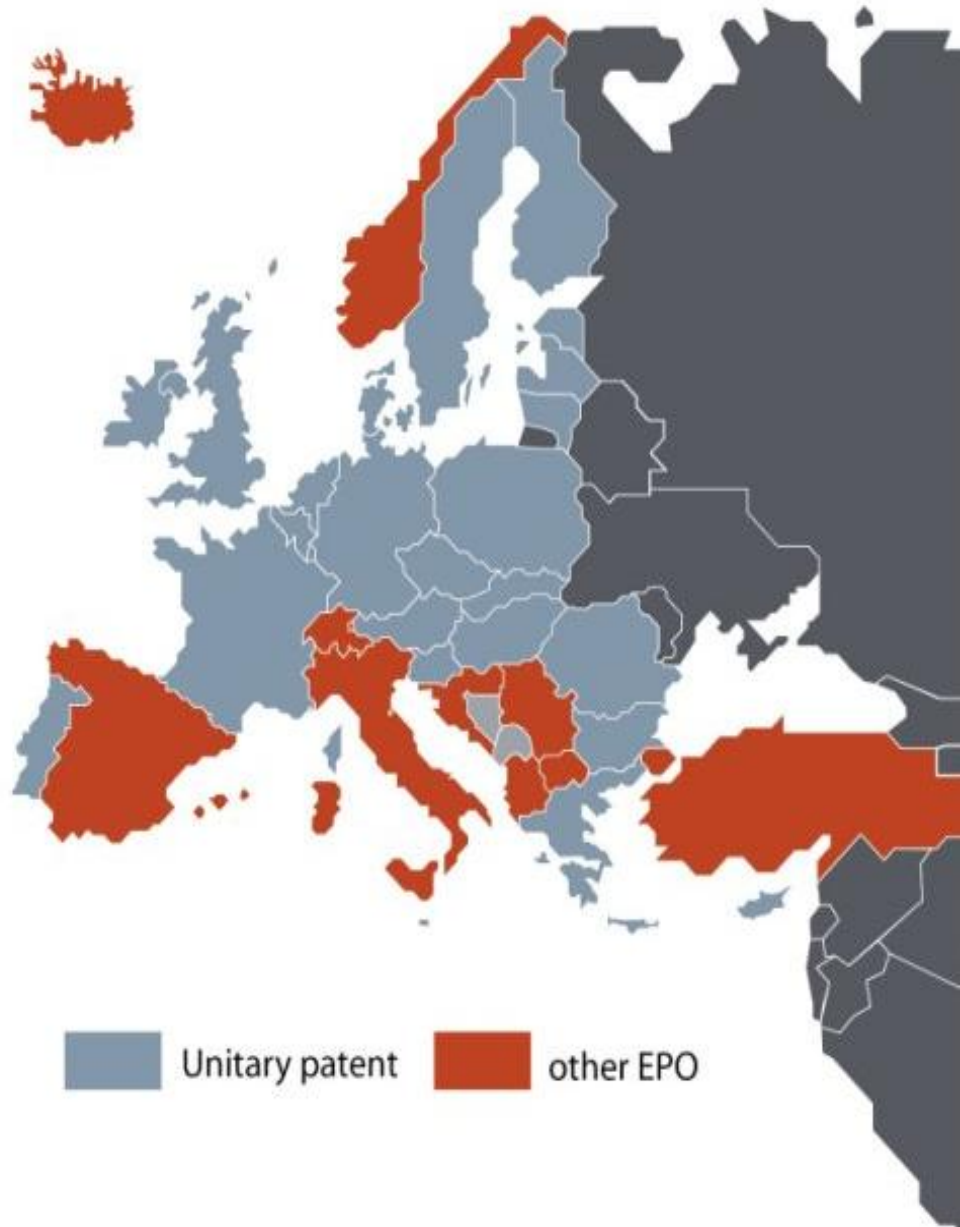
The unitary patent and the EPO member states

Unitary patent states

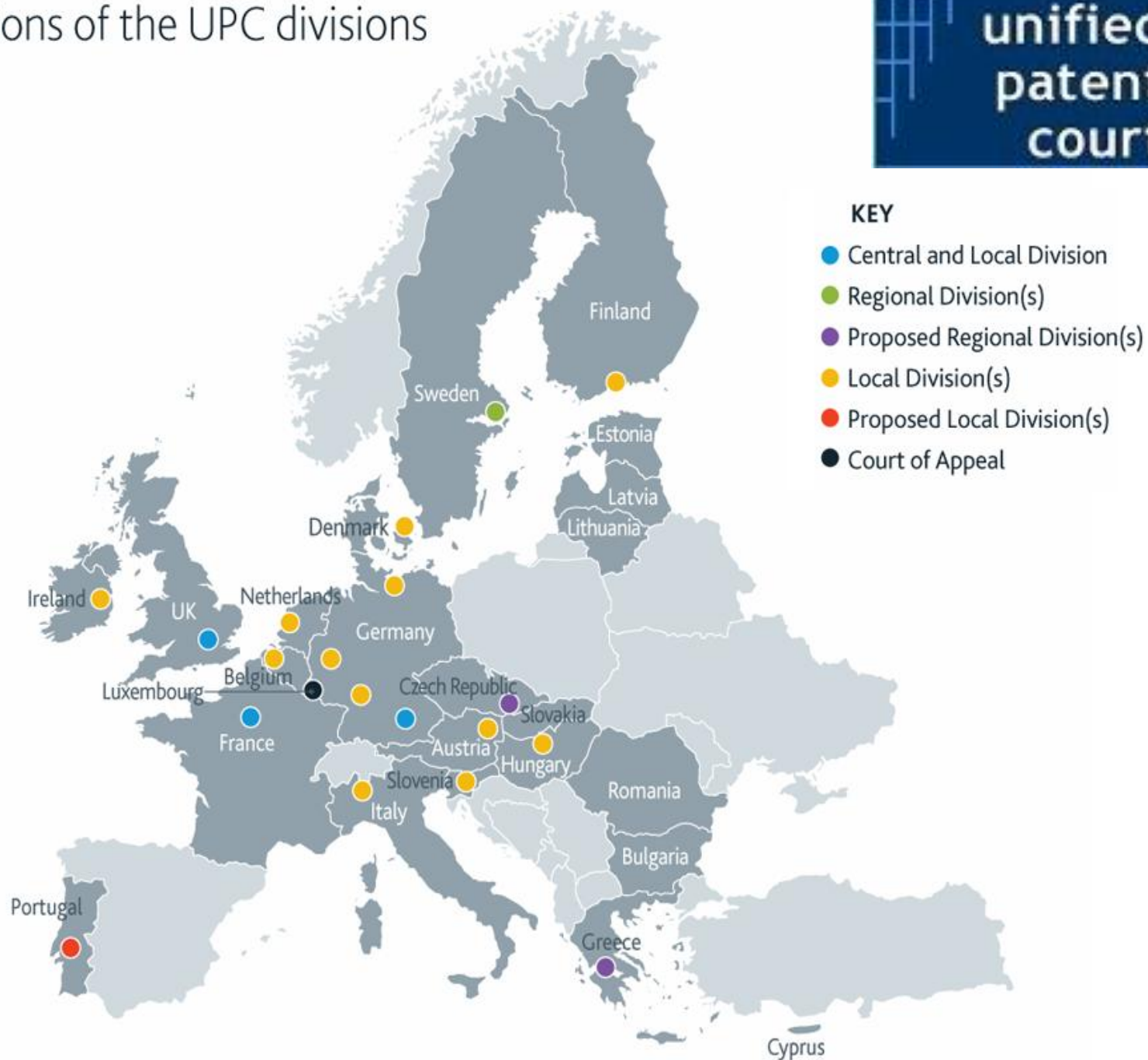
Austria • Belgium • Bulgaria • Cyprus •
Czech Republic • Denmark • Estonia •
Finland • France • Germany • Greece •
Hungary • Ireland • Latvia • Lithuania •
Luxembourg • Malta • Netherlands •
Poland • Portugal • Romania • Slovakia •
Slovenia • Sweden • United Kingdom

Other EPO member states

Italy • Spain • Iceland • Switzerland •
Norway • Turkey • Monaco • San Marino •
Liechtenstein • Croatia • Serbia • Albania •
Former Yugoslav Republic of Macedonia



Predicted locations of the UPC divisions

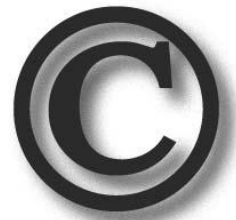




Disambiguation

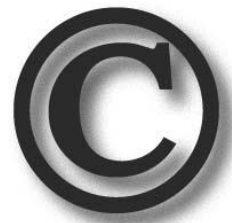


*Protection of
computer software
can be obtained by Copyright.*



*Protection on
computer implemented inventions
(**CIIs**) can be obtained by a Patent*





Protection of **software** by Copyright

*Copyright is the "**right to make a copy**"*

We use such right when we lawfully install a copy of an "app" on a smartphone or tablet or PC

*This requires a **license** from the author, which gives us a right to make such copy*

*Copy without license is **Copyright infringement***



CIIs are not considered SW

- *Art 52 EPC excludes*
- *programs for computers ... as such*
- *from patentability*

CIIs are not programs for computers ... as such



Protection in Europe of **Computer implemented inventions** by a Patent

- *A patent is, in the substance, a **claim on an invention** on which a government grants exclusive rights, and this occurs only if:*
 - *The claim is **novel***
 - *The claim is **inventive***
 - *The claim is accompanied by a **specification** written by the applicant (or his attorney) **disclosing the inventive concept** and its major embodiments*



Method claims and System claims

- *Most common claims for CIIs are*
- ***Method claims***, namely the CIIs are considered as industrial processes, and the method claims define the essential steps for carrying out the inventive process
- ***System claims***, namely the CIIs are a combination of apparatus features and functions carried out by program means operating in association with them



Novelty and Inventive step



Proper definition of an invention:

It is a **solution of a technical problem**

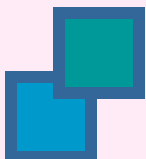
We have seen the main prerequisites for an invention:

- **Novelty** (does not exist) - art 54 EPC
- and **"Inventive step"** (it is not obvious) - art 56 EPC





Novelty and inventive step in the EPC (European Patent Convention)

- **A claim is novel if it is not disclosed in the prior art (Art. 54 EPC)**
 - **A claim is inventive if it is not obvious over the prior art, taking into account the technical problem that the invention solves (art 56 EPC)**
 - **Therefore, it is fundamental to know the background art**
- 

Searching prior art by name on the Espacenet Database


worldwide.espacenet.com/advancedSearch?locale=en_EP

Smart search

Advanced search

Classification search


Advanced search

Select the collection you want to search in 


Worldwide - collection of published applications from 90+ countries

Enter your search terms - CTRL-ENTER expands the field you are in

Enter keywords


Title: 

plastic and bicycle

Title or abstract: 


hair

Enter numbers with or without country code

Publication number: 

WO2008014520

Enter name of one or more persons/organisations

Applicant(s): 

Institut Pasteur




google

Quick help

- [How many search terms can I enter per field?](#)
- [How do I enter words from the title or abstract?](#)
- [How do I enter words from the description or claims?](#)
- [Can I use truncation/wildcards?](#)
- [How do I enter publication, application, priority and NPL reference numbers?](#)
- [How do I enter the names of persons and organisations?](#)
- [What is the difference between the IPC and the CPC?](#)
- [What formats can I use for the publication date?](#)
- [How do I enter a date range for a](#)

this applicant has European Applications

Result list

☐ Select all (0/25)  Compact  Export (CSV | XLS)  Download covers

 Print

Approximately **1,984** results found in the Worldwide database for:
ep as the publication number AND **google** as the applicant
Only the first **500** results are displayed.

1 ▶

Results are sorted by date of upload in database

☐ 1. SYSTEM TO SHARE NETWORK BANDWIDTH AMONG COMPETING APPLICATIONS

★	Inventor: JAIN SUSHANT [US] RAGHURAMAN ANAND [US] (+3)	Applicant: GOOGLE INC [US]	CPC: <u>H04L41/0896</u> <u>H04L43/0894</u> <u>H04L47/11</u> (+5)	IPC: G06F9/50 H04L12/801	Publication info: EP 2966569 (A1) 2016-01-13	Priority date: 2011-02-01
---	------------------------------------------------------------------------	------------------------------------------------	-------------------------------------------------------------------------------------	---------------------------------------	------------------------------------------------------------------	-------------------------------------

☐ 2. WRITING APPLICATION DATA TO A SECURE ELEMENT

★	Inventor: VON BEHREN ROB [US] WALL JONATHAN [US] (+3)	Applicant: GOOGLE INC [US]	CPC: <u>G06F21/62</u> <u>G06Q20/3552</u> <u>G06Q20/3563</u> (+5)	IPC: G06Q20/34 G07F7/10	Publication info: EP 2966628 (A1) 2016-01-13	Priority date: 2010-12-17
---	-----------------------------------------------------------------------	------------------------------------------------	-------------------------------------------------------------------------------------	--------------------------------------	------------------------------------------------------------------	-------------------------------------

☐ 3. INSTRUCTION CACHE MANAGEMENT BASED ON TEMPORAL LOCALITY

★	Inventor: SEREBRIN BENJAMIN C [US] HAZELWOOD KIM [US]	Applicant: GOOGLE INC [US]	CPC: <u>G06F12/0875</u> <u>G06F12/123</u> <u>G06F12/126</u> (+1)	IPC: G06F12/12	Publication info: EP 2980703 (A2) 2016-02-03	Priority date: 2014-08-01
---	--------------------------------------------------------------------	------------------------------------------------	-------------------------------------------------------------------------------------	--------------------------	------------------------------------------------------------------	-------------------------------------

Read the bibliographic data

Bibliographic data: EP2252944 (A2) — 2010-11-24

★ In my patents list

Previous

9 / 103

Next

EP Register



Report data error



Print

UNIVERSAL LANGUAGE INPUT

Page bookmark [EP2252944 \(A2\) - UNIVERSAL LANGUAGE INPUT](#)

Inventor(s): QIAN JIANG [US]; ZHANG LEI [CN] ±

Applicant(s): **GOOGLE** INC [US] ±

Classification: - international: [G06F17/28](#); [G06F17/30](#)

- cooperative: [G06F17/289](#); [G06F17/30669](#)

Application number: EP20090715783 20090211


Priority number(s): [WO2009US33834 20090211](#) ; [US20080033697 20080219](#)

Also published as: [EP2252944 \(B1\)](#) [US2009210214 \(A1\)](#) [US8473276 \(B2\)](#) [WO2009108504 \(A2\)](#) [WO2009108504 \(A3\)](#)
→ [more](#)

Read the abstract

Abstract not available for EP2252944 (A2)

Abstract of corresponding document: US2009210214 (A1)

Translate this text into 

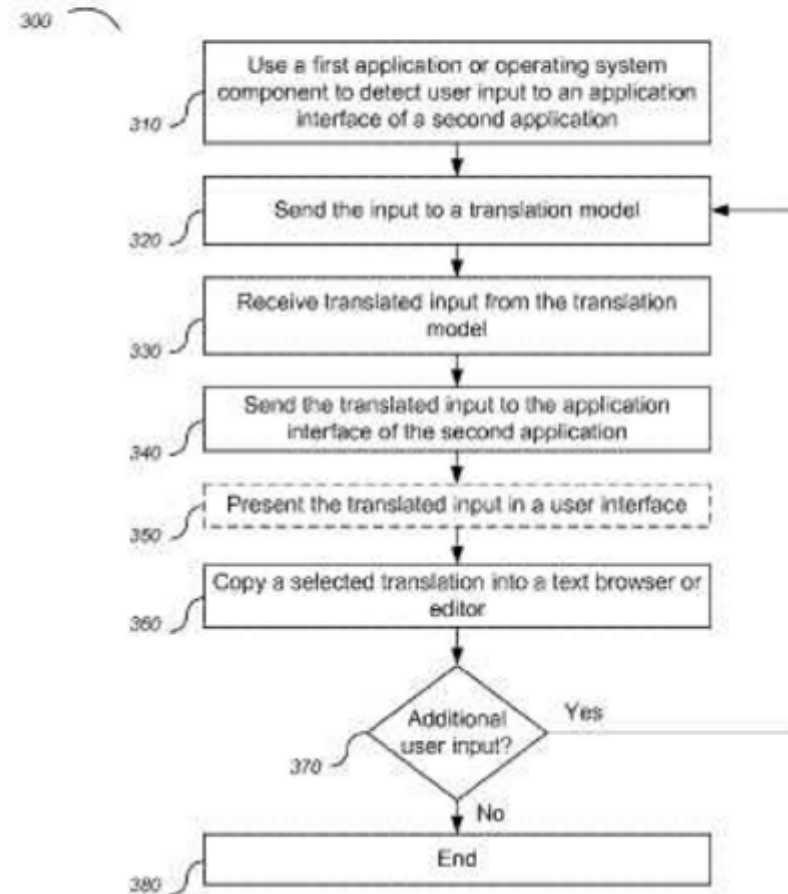
Select language ▼



patenttranslate

powered by EPO and Google

Systems, methods, and apparatuses including computer program products for universal language input are provided. In one implementation, a method is provided. The method includes using a first application or operating system component to detect user input to an application interface of a second application. The method also includes, as input is detected in the application interface, automatically using the first application to provide one or more translations of the input including, sending the input to a translation model, receiving translated input from the translation model, and sending the translated input to the application interface of the second application.



Read the granted specification in Europe

(19)



(11)

EP 2 252 944 B1

(12)

EUROPEAN PATENT SPECIFICATION

(45) Date of publication and mention
of the grant of the patent:

27.08.2014 Bulletin 2014/35

(51) Int Cl.:

G06F 17/28 ^(2006.01)

G06F 17/30 ^(2006.01)

(86) International application number:

PCT/US2009/033834

(21) Application number: **09715783.8**

(22) Date of filing: **11.02.2009**

(87) International publication number:

WO 2009/108504 (03.09.2009 Gazette 2009/36)

(54) **UNIVERSAL LANGUAGE INPUT**

UNIVERSELLE SPRACHEINGABE

ENTRÉE DE LANGAGE UNIVERSEL

(84) Designated Contracting States:

**AT BE BG CH CY CZ DE DK EE ES FI FR GB GR
HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL
PT RO SE SI SK TR**

(30) Priority: **19.02.2008 US 33697**

(43) Date of publication of application:

24.11.2010 Bulletin 2010/47

(73) Proprietor: **Google Inc.**

• **ZHANG, Lei**
Beijing 100081 (CN)

(74) Representative: **Edlund, Fabian et al**

Awapatent AB

Södra Hamngatan 37-41

P.O. Box 11 394

404 28 Göteborg (SE)

(56) References cited:

US-A1- 2005 086 214

Read the granted claims

Claims

1. A computer-implemented method, comprising:

intercepting, at a computer system (200) including a processor (410), a user input to one of a plurality of applications (205) executing on the computer system (200) by applying a hook to an interface between the plurality of applications (205) and an operating system (207) of the computer system (200), the input being of a source language;

redirecting, at the computer system (200), the

input to a different application (206) executing on the computer system (200), the different application (206) being different than the plurality of applications (205);

generating, at the computer system (200), one or more translations of the input using the different application (206), each of the one or more translations of the input being of a target language, the target language being different than the source language;

selecting, at the computer system (200), one of the one or more translations of the input to obtain a selected translation; and

sending, at the computer system (200), the selected translation to said one of the plurality of applications (205).

Understand the invention

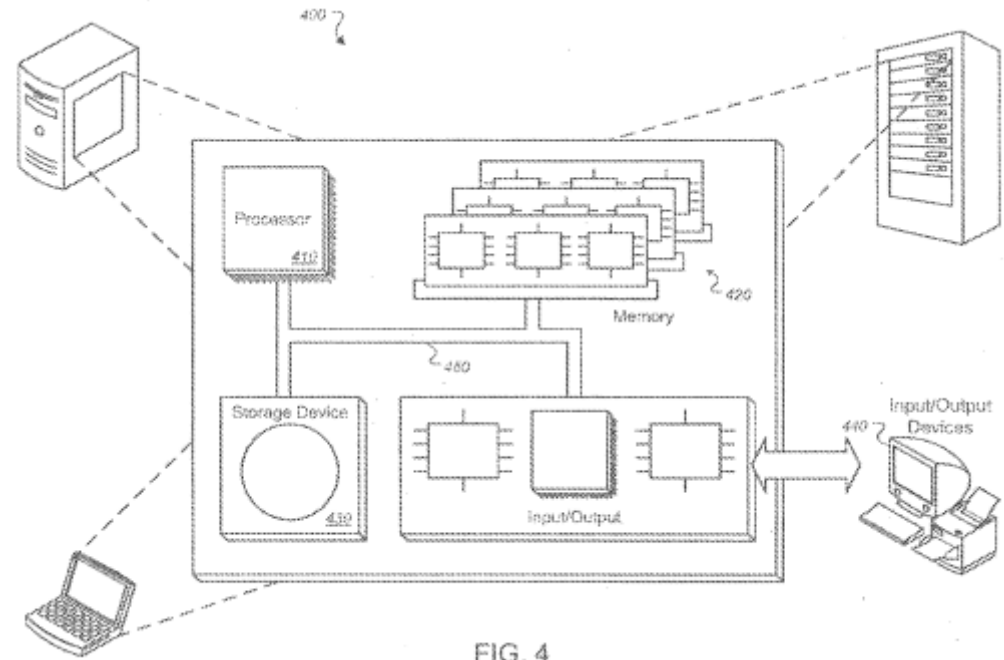
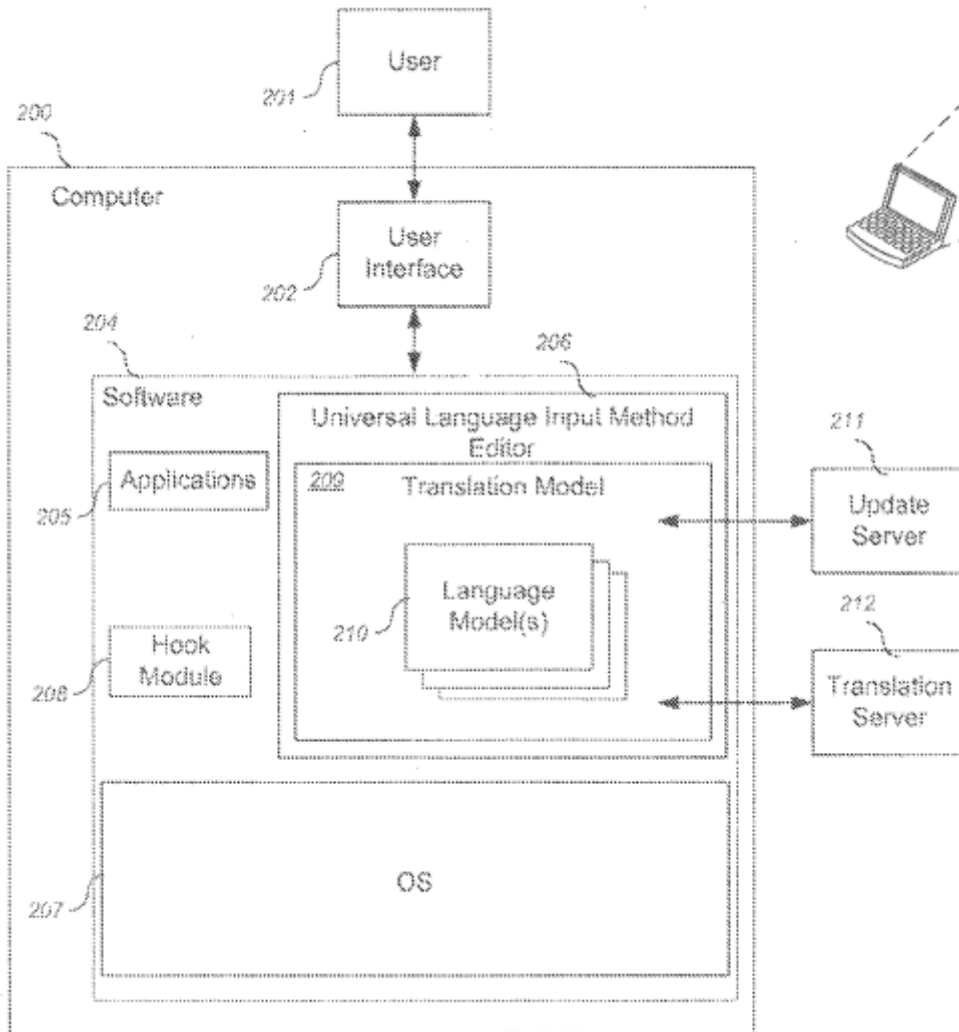


FIG. 4

through the specification and the drawings

Extend the search to the citing documents ...

Bibliographic data
Description
Claims
Mosaics
Original document
Cited documents
Citing documents
INPADOC legal status
INPADOC patent family

Quick help —

- [Can I export this list?](#)
- [What happens if I click on "Download covers"?](#)
- [What are citing documents?](#)
- [Why do some documents not have any citing documents?](#)
- [What happens if I click on the star icon?](#)

☐ Select all (0/23) Compact Export (CSV | XLS) Download covers

Print

23 documents citing **US2009210214 (A1)**

Sort by Sort order

☐ 1. Multi-Modal Input on an Electronic Device

★	Inventor:	Applicant:	CPC:	IPC:	Publication info:	Priority date:
	BALLINGER BRANDON M [US] SCHALKWYK JOHAN [US] (+3)	GOOGLE INC [US]	<u>G06F17/289</u> <u>G10L15/18</u> <u>G10L15/183</u> (+4)	G10L15/18 G10L15/26	US2014288929 (A1) 2014-09-25 US9251791 (B2) 2016-02-02	2009-12-23

☐ 2. Business Intelligent In-Document Suggestions

★	Inventor:	Applicant:	CPC:	IPC:	Publication info:	Priority date:
	SCOTT MATTHEW ROBERT [CN] WANG CHAO [CN] (+1)	SCOTT MATTHEW ROBERT [CN] WANG CHAO [CN] (+2)	<u>G06F17/30637</u>	G06F17/30	US2014040238 (A1) 2014-02-06 US8959109 (B2) 2015-02-17	2012-08-06

☐ 3. IMAGE DISPLAY APPARATUS

★	Inventor:	Applicant:	CPC:	IPC:	Publication info:	Priority date:
	OHGAKE MITSURU [JP]	OHGAKE MITSURU [JP]	<u>G06F17/275</u> <u>G06F9/4448</u> <u>G09G5/003</u> (+6)	G09G5/24	US2014035928 (A1) 2014-02-06	2012-07-31

☐ 4. CROSS-LINGUAL INPUT METHOD EDITOR

★	Inventor:	Applicant:	CPC:	IPC:	Publication info:	Priority date:
	SCOTT MATTHEW ROBERT [CN] NGARI JOSEPH K [US] (+5)	MICROSOFT CORP [US] SCOTT MATTHEW ROBERT [CN] (+2)	<u>G06F17/24</u> <u>G06F17/276</u> <u>G06F17/289</u> (+2)	G06F3/023	WO2014000267 (A1) 2014-01-03	2012-06-29

... and to the cited documents ...

Bibliographic data
Description
Claims
Mosaics
Original document
Cited documents
Citing documents
INPADOC legal status
INPADOC patent family

Quick help —

- [What are cited documents?](#)
- [Can I export this list?](#)
- [What happens if I click on "Download covers"?](#)
- [What happens if I click on the star icon?](#)

☐ Select all (0/12)  Compact  Export (CSV | XLS)  Download covers  CCD  Print

12 documents cited in relation to **US2009210214 (A1)**

Sort by Sort order

Patents cited in the search report

☐ 1. Machine Translation Feedback

★	Inventor:	Applicant:	CPC:	IPC:	Publication info:	Priority date:
	CHIN JEFFREY [US] ROSART DANIEL [US]	GOOGLE INC	G06F17/289 G06F3/0481	G06F17/28	US2008195372 (A1) 2008-08-14 US7983897 (B2) 2011-07-19	2007-02-14

☐ 2. Methods and systems for external localization

★	Inventor:	Applicant:	CPC:	IPC:	Publication info:	Priority date:
	KIM KIM [US]	MICROSOFT CORP [US]	G06F17/289	G10L15/00	US7318020 (B1) 2008-01-08	2003-10-08

☐ 3. Statistical translation using a large monolingual corpus

★	Inventor:	Applicant:	CPC:	IPC:	Publication info:	Priority date:
	SORICUT RADU [US] MARCU DANIEL [US] (+1)	SORICUT RADU, MARCU DANIEL, (+2)	G06F17/2818 G06F17/2827 G06F17/2845	G06F17/28 (IPC1-7): G06F17/28	US2003233222 (A1) 2003-12-18 US7340388 (B2) 2008-03-04	2002-03-26

☐ 4. Speech-enabled language translation system and method enabling interactive user supervision of translation and speech recognition accuracy

★	Inventor:	Applicant:	CPC:	IPC:	Publication info:	Priority date:
	SELIGMAN MARK [US] DILLINGER MIKE [US] (+2)	SPOKEN TRANSLATION IND [US]	G06F17/2755 G06F17/289 G10L13/00 (+2)	G06F17/20	US7539619 (B1) 2009-05-26	2003-09-05

Bibliographic data

Description

Claims

Mosaics

Original document

Cited documents

Citing documents

INPADOC legal status

INPADOC patent family

Quick help

- [What is meant by high quality text as facsimile?](#)
- [What does A1, A2, A3 and B stand for after a European publication number?](#)
- [What happens if I click on "In my patents list"?](#)
- [What happens if I click on the "Register" button?](#)
- [Why are some sidebar options deactivated for certain documents?](#)
- [How can I bookmark this page?](#)
- [Why does a list of documents with the heading "Also published as" sometimes appear, and what are these documents?](#)
- [Why do I sometimes find the abstract of a corresponding document?](#)
- [What happens if I click on the red "patent translate" button?](#)
- [What is Global dossier?](#)

Bibliographic data: EP2252944 (B1) — 2014-08-27

★ In my patents list ➤ EP Register 📄 Report data error

UNIVERSAL LANGUAGE INPUT

Page bookmark [EP2252944 \(B1\) - UNIVERSAL LANGUAGE INPUT](#)

Inventor(s): QIAN JIANG [US]; ZHANG LEI [CN] ±

Applicant(s): **GOOGLE** INC [US] ±Classification: **- international:** [G06F17/28](#); [G06F17/30](#)**- cooperative:** [G06F17/289](#); [G06F17/30669](#)

Application number: CPC - G06F17/289

Priority number(s):

Also published as:

Abstract not avail
Abstract of corres

Translate this text into

Select language

Systems, methods, and a universal language input provided. The method in component to detect use. The method also includes automatically using the first input including, sending to from the translation module interface of the second a

scheme
images

⏮ ⏪ 🔍 🔍 ⏮ i CPC 🔍 [...]

Symbol	Classification and description	
G	PHYSICS	📄 ⓘ
INSTRUMENTS		
G06	COMPUTING; CALCULATING; COUNTING (score computers for games A63B 71/06 , A63D 15/20 , A63F 1/18 ; combinations of writing implements with computing devices B43K 29/08)	ⓘ
G06F	ELECTRICAL DIGITAL DATA PROCESSING (computers in which a part of the computation is effected hydraulically or pneumatically G06D ; optically G06E ; self-contained input or output peripheral equipment G06K ; impedance networks using digital techniques H03H)	📄 Ⓜ ⓘ ⚠
G06F 17/00	Digital computing or data processing equipment or methods, specially adapted for specific functions	
G06F 17/20	• Handling natural language data (speech analysis or synthesis G10L)	Ⓜ
G06F 17/28	•• Processing or translating of natural language (G06F 17/27 takes precedence)	
G06F 17/289	••• {Use of machine translation, e.g. multi-lingual retrieval, server side translation for client devices, real-time translation (Data retrieval G06F 17/30 , administrative and business methods G06Q 10/00 , G06Q 30/00)}	

... and to the classification...

G06F 17/289
Machine translation

... and continue the search...

Approximately 3,924 results found in the Worldwide database for:
G06F17/289 as the Cooperative Patent Classification
Only the first 500 results are displayed.

1 ▶

Results are sorted by date of upload in database

☐ 1. Generation, at least in part, of at least one service request, and/or response to such request

★	Inventor: DUBAL SCOTT P [US] CONNOR PATRICK [US]	Applicant: INTEL CORP [US]	CPC: <u>G06F17/289</u> <u>H04L67/10</u> <u>H04L67/1002</u>	IPC: H04W72/04 H04W72/12	Publication info: TW201547309 (A) 2015-12-16	Priority date: 2014-04-08
---	---------------------------------------------------------------	--------------------------------------	----------------------------------------------------------------------------	---------------------------------------	-----------------------------------------------------------	-------------------------------------

☐ 2. Method, system and recording medium for providing dictionary function and file distribution system

★	Inventor: LEE TAE-HOON [KR] KIM JONG-HWAN [KR] (+6)	Applicant: NAVER CORP [KR]	CPC: <u>G06F17/2735</u> <u>G06F17/289</u>	IPC: G06F17/28 G06F17/30	Publication info: TW201544977 (A) 2015-12-01	Priority date: 2014-05-27
---	---------------------------------------------------------------------	--------------------------------------	--------------------------------------------------------	---------------------------------------	-----------------------------------------------------------	-------------------------------------

☐ 3. Fragmented Video Systems

★	Inventor: LEE PUI SHAN XANAZ [HK]	Applicant: LEE PUI SHAN XANAZ [HK]	CPC: <u>G06F17/289</u> <u>G06T11/60</u> <u>H04N7/15</u> (+1)	IPC: G06F17/28 G06T11/60 H04N7/15 (+1)	Publication info: US2016062990 (A1) 2016-03-03	Priority date: 2014-09-02
---	---------------------------------------------	----------------------------------------------	---------------------------------------------------------------------------------	-----------------------------------------------------------	-------------------------------------------------------------	-------------------------------------

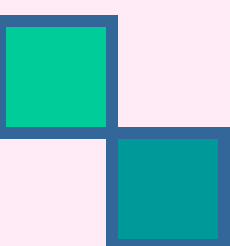
☐ 4. ON-LINE VOICE TRANSLATION METHOD AND DEVICE

★	Inventor:	Applicant:	CPC: <u>G06F17/2854</u> <u>G06F17/289</u> <u>G10L15/005</u> (+1)	IPC: G06F17/28 G06F17/30 G10L15/00 (+1)	Publication info: KR20160015218 (A) 2016-02-12	Priority date: 2013-12-25
---	------------------	-------------------	-------------------------------------------------------------------------------------	------------------------------------------------------------	-------------------------------------------------------------	-------------------------------------



...until you get the closest prior art

Closest prior art can be any published document (patent or non-patent publication from any countries and in any languages



Your invention is **novel** if there is **at least one difference** from the closest prior art



Your invention is **inventive** if there the difference is **not obvious**, namely it **solves a technical problem**




Now I can write my claim



Pre-characterising part= closest prior art

Characterising part=
Differences from the closest prior art →
Inventive step?





Novelty and
inventive step
are not
destroyed by
similar features
having different
functions



most inventions are small improvements starting from the closest prior art, each solving a different problem

Patentability of Business related inventions

- Art. 52-54-56 EPC
- (1) European patents shall be granted for any inventions which are susceptible of industrial application, which are new and which involve an inventive step.
- (2) Unpatentable: (a) discoveries, scientific theories and **mathematical methods**; (b) aesthetic creations; (c) schemes, rules and **methods for performing mental acts, playing games or doing business**, and programs for computers;
- (d) **presentations of information**.
- (3) The provisions of paragraph 2 shall exclude patentability of subject-matter or activities as such.
-


Eligibility of the claims

- Tho decide if a claim is eligibile the simplest way is to decide whether it is novel and inventive.
- In fact, inventive step is releated to the capability of solving a **technical** problem
- If the problem is not technical, the claim is not eligible.
- Normally, it is not considered eligible if the claimed features fall within the excluded subject matter **as such**: discoveries, scientific theories, mathematical methods; aesthetic creations; schemes, rules and methods for performing mental acts, playing games or doing business, and programs for computers; presentations of information.
- On the other hand, if the claim contains any eligible (non-excluded) feature the claim is said to have "technical character".

Technical aspects of the CII claims



a patentable claim should specify a
"technical solution to a technical problem"


- Examples:
 - a new service is proposed, providing links to automatic translators by a new app for smartphones (not patentable)
 - The Google automatic translation system as patented in EP2252944B2
- 

System and Method claims



Result list

☐ Select all (0/25) ☐ Compact ☐ Export (CSV | XLS) ☐ Download covers

 Print

Approximately 1,901 results found in the Worldwide database for:
EP as the publication number AND cisco as the applicant
Only the first 500 results are displayed.

1 ▶

Results are sorted by date of upload in database

☐ 1. WIDEBAND SERVICE PROVISIONING

★ Inventor: CHAPMAN JOHN T [US] BERNSTEIN ALON SHLOMO [US] (+5)	Applicant: CISCO TECH INC [US]	CPC: <u>H04L12/2801</u> <u>H04L61/2015</u> <u>H04N21/42676</u> (+3)	IPC: H04J1/00 H04L12/28 H04L12/43 (+2)	Publication info: EP 2983330 (A2) 2016-02-10	Priority date: 2004-05-25
---------------------------------------------------------------------------------	----------------------------------------------------	----------------------------------------------------------------------------------------	-----------------------------------------------------------	------------------------------------------------------------------	-------------------------------------

☐ 2. SELECTIVE DIVERSION AND INJECTION OF COMMUNICATION TRAFFIC

★ Inventor: BREMLER BARR ANAT [IL] NUSSBACHER HANK [IL] (+2)	Applicant: CISCO TECH INC [US]	CPC: <u>H04L63/0218</u> <u>H04L63/0245</u> <u>H04L63/145</u> (+1)	IPC: G06F15/16 G06F15/173 H04L12/28 (+2)	Publication info: EP 2977910 (A1) 2016-01-27	Priority date: 2003-04-09
------------------------------------------------------------------------------	----------------------------------------------------	--------------------------------------------------------------------------------------	-------------------------------------------------------------	------------------------------------------------------------------	-------------------------------------

☐ 3. SYSTEM AND METHOD FOR INTERNET PROTOCOL VERSION-BASED MULTIPLE ACCESS POINT NAME SUPPORT IN A NETWORK ENVIRONMENT

★ Inventor: GRAYSON MARK [GB] GUNDAVELLI SRINATH [US]	Applicant: CISCO TECH INC [US]	CPC: <u>H04L61/2007</u> <u>H04L61/6013</u> <u>H04L61/6068</u> (+3)	IPC: H04L29/12 H04W76/02	Publication info: EP 2993868 (A1) 2016-03-09	Priority date: 2014-09-08
--------------------------------------------------------------------	----------------------------------------------------	---------------------------------------------------------------------------------------	---------------------------------------	------------------------------------------------------------------	-------------------------------------

☐ 4. SYSTEM AND METHOD FOR DISTRIBUTION OF RADIO CHANNEL STATE AND BASE STATION CONGESTION STATE IN A NETWORK ENVIRONMENT

★ Inventor: BOSCH HENDRIKUS G P [NL] SAMUEL LOUIS GWYN [GB] (+4)	Applicant: CISCO TECH INC [US]	CPC: <u>H04L1/0026</u> <u>H04L12/6418</u> <u>H04L12/66</u> (+4)	IPC: H04L1/00 H04L12/66 H04W72/12	Publication info: EP 2985939 (A1) 2016-02-17	Priority date: 2014-08-12
----------------------------------------------------------------------------------	----------------------------------------------------	------------------------------------------------------------------------------------	---------------------------------------------------	------------------------------------------------------------------	-------------------------------------

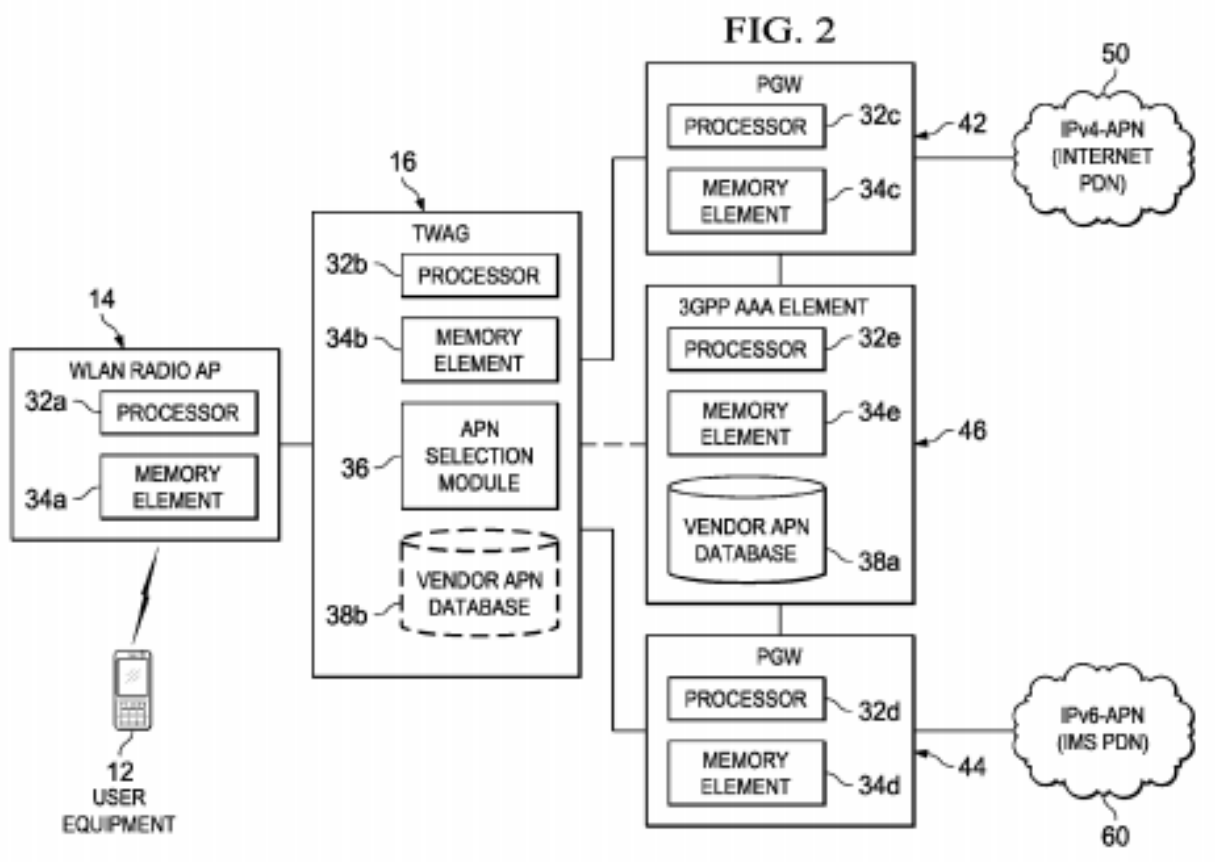
☐ 5. CALL PRESERVATION ON HANDOVER

★ Inventor: YOSHIZAWA TAKAHITO [BE] GANDHI INDERMEET SINGH [IN] (+2)	Applicant: CISCO TECH INC [US]	CPC: <u>H04W36/0016</u> <u>H04W36/0033</u> <u>H04W36/04</u> (+6)	IPC: H04W36/00 H04W36/04 H04W84/04 (+1)	Publication info: EP 2986052 (A1) 2016-02-17	Priority date: 2014-08-11
--------------------------------------------------------------------------------------	----------------------------------------------------	-------------------------------------------------------------------------------------	------------------------------------------------------------	------------------------------------------------------------------	-------------------------------------

Search for Cisco Tech



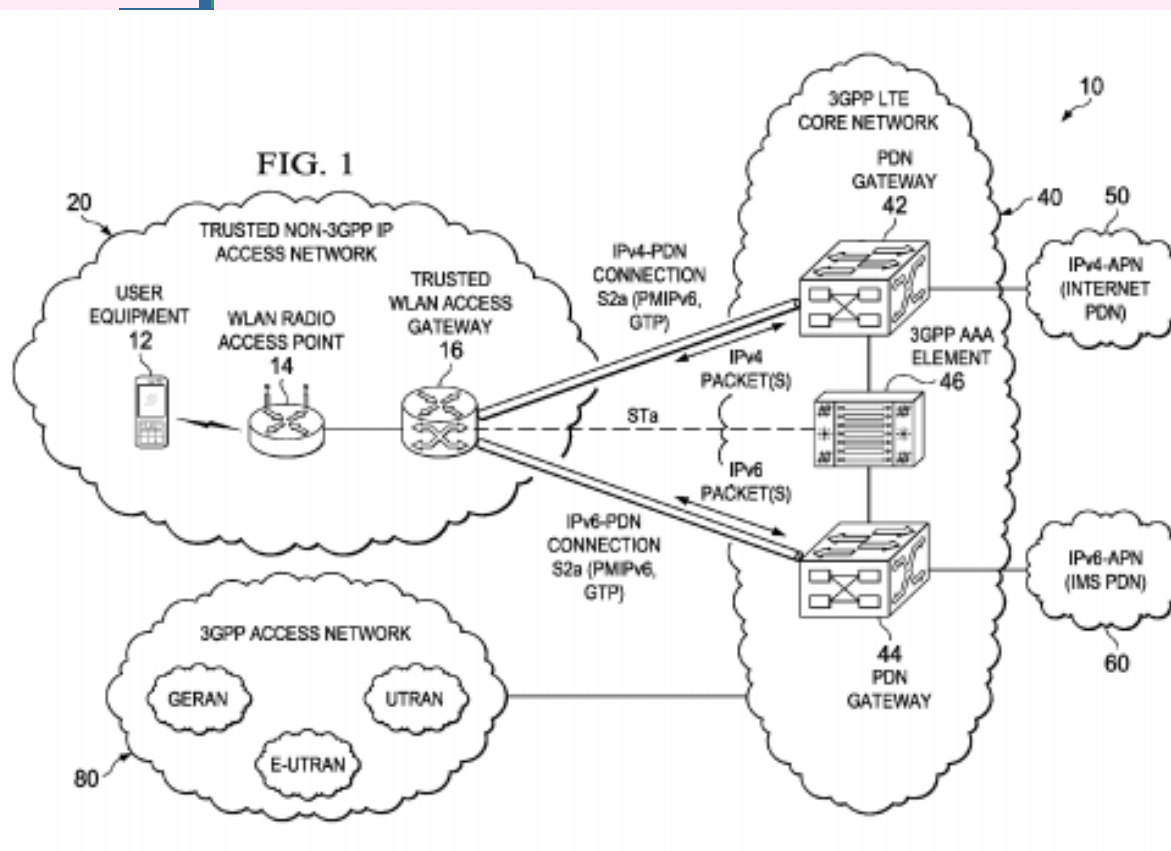
Method claims



A method for a communication network comprising:

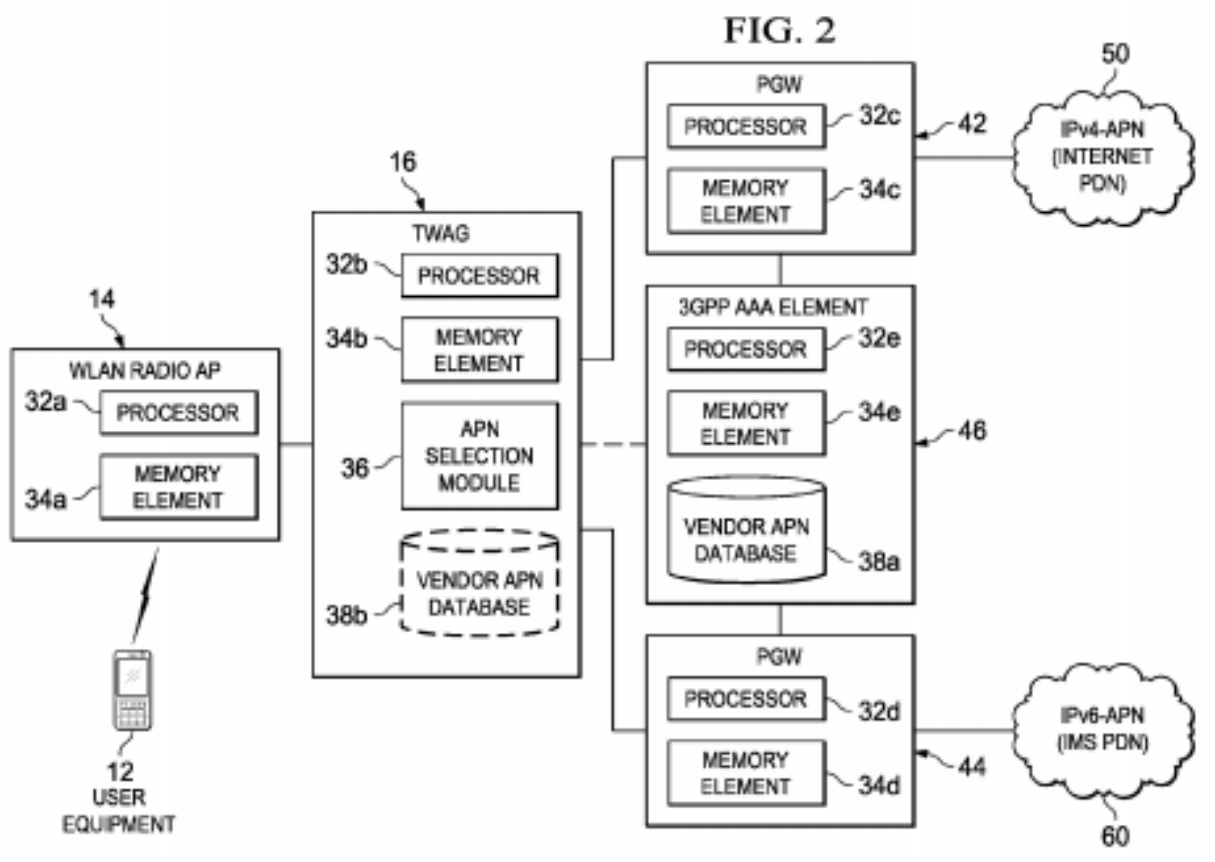
- receiving an attach trigger for a user equipment (UE) within a trusted access network;
- configuring a first signaling path for the UE for a first Internet protocol (IP) connection; and
- configuring a second signaling path for the UE for a second IP connection, wherein the first and second IP connections are associated with different IP version type

System claims



A system, comprising:
a memory element for storing data; and
a processor that executes instructions associated with the data, wherein the processor and memory element cooperate such that the apparatus is configured for:
receiving an attach trigger for a user equipment (UE) within a trusted access network;
configuring a first signaling path for the UE for a first Internet protocol (IP) connection; and
configuring a second signaling path for the UE for a second IP connection, wherein the first and second IP connections are associated with different IP version types.

Method claims



A method for a communication network comprising:

- receiving an attach trigger for a user equipment (UE) within a trusted access network;
- configuring a first signaling path for the UE for a first Internet protocol (IP) connection; and
- configuring a second signaling path for the UE for a second IP connection, wherein the first and second IP connections are associated with different IP version type



Thank You

*ABM Agenzia Brevetti & Marchi
Ing. Marco Celestino
Viale Giovanni Pisano, 31
I-56123 PISA
ITALY Europe
Tel +39 050 8312216
Fax +39 050 8310708
Mob: +39-335-6342222
<http://www.abmpat.com>
e-mail information: abmpat@abmpat.com
personal e-mail: mcelestino@abmpat.com*

