JPFULL

Full text Japanese Patent Applications and Utility Models

■ **Contents**:

The JPFULL database contains bibliographical information, front page drawing of first page full text of the description and the claims for Japanese patent applications and utility models.
In addition International Classification Codes as well as Japanese FI and F-Term classifications are included.

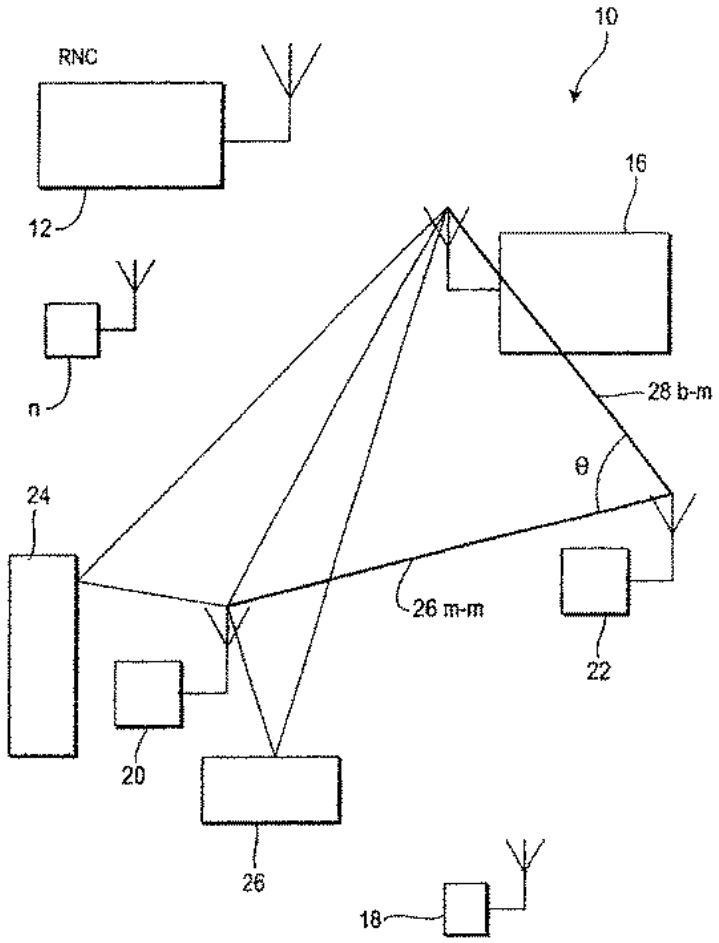
■ **Coverage**:

From January 10, 2008 forward

■ **Number of records:**	More than 50 000
■ **Updating:**	Bi Monthly
■ **Language:**	English (machine translations)
■ **Cluster Searching:**	The JPFULL database is part of the predefined Patents Cluster
■ **SDIs:**	- Bi Monthly (default) - Monthly
■ **Producer :**	Questel Source : Japanese Patent Office

Sample Record

1/1 JPFULL - (C) Questel- image
CPIM Questel



PN - JP2008022572 A 20080131 [JP2008022572]
TI - Method and the system in order to do the position measurement of Mobile unit on the basis of goniometry
PA - INTADEIJITARU Technology Corporation
Reg. Nb: 596008622
REP - Yoshikazu Tani
Reg. Nb: 100077481
- Kazuo Abe
Reg. Nb: 100088915
AP - JP2007223221 20070829 [2007JP-0223221]
PR - US60399782 20020731
- US10308476 20021203
IC1 - H04Q-007/34
IC2 - H04B-007/26; G01S-005/04
FI - H04B7/26 106A; H04B7/26 B; H04B7/26 K; G01S5/04
FTM - 5J062 AA08; 5J062 CC14; 5J062 CC18; 5J062 EE01; 5J062 GG01; 5J062 GG02 5K067 AA21; 5K067 BB04; 5K067 BB21; 5K067 DD20; 5K067 DD51; 5K067 EE02; 5K067 EE10; 5K067 EE16; 5K067 EE25; 5K067 FF03; 5K067 FF32; 5K067 HH22; 5K067 JJ52

…/…

…/…
AB - PROBLEM TO BE SOLVED: Using the goniometry value which was measured by the Mobile unit which it adjoins it offers the method and the system in order determination to do Mobile unit.
SOLUTION: That the Mobile unit which is selected and that the adjacent Mobile unit group of the Mobile unit which is selected, that only measurement it reports the information which it is related to the position of the Mobile unit which is selected, it is indicated selectively. The information which is reported that is used in order to calculate the position of the Mobile unit which is selected.

NO - Number of claims: 12
Figures: 1
Request for examination: true
Form: OL
Pages: 11

DESC- TECHNICAL FIELD
[0001] This invention regards the portable radio communication system. Furthermore determination of Mobile unit (positioning) it is related this invention to details.

- BACKGROUND ART
[0002] In the system of technology, as for base station the high performance the antenna (smart antenna) it has until recently. Presently, most the advanced antenna which evolved the adaptive array antenna (adaptive array antenna) also is the ecad antenna which is times when it is called. The adaptive array antenna makes the measurement of arrival direction of the input signal easy. In addition, that kind of antenna the direction where the signal is transmitted by optimizing the electric power which becomes necessary for signal transmission makes that the device where that is connected controls possible.
- [0003] The adaptive array antenna position of Mobile unit (location) the positioning information regarding (positioning information) is often used in order to acquire. But, determination of Mobile unit (positioning) the inaccurate result is often brought Mobile unit (mobile unit) and base station (base station) multiple pass between (multipath) with. Multiple pass on Mobile unit side, or on base station side, or being both, when it exists, measurement is difficult accurate position fixing of Mobile unit (positioning) in, or or often there are times when it is impossible.
- DISCLOSURE
TECHNICAL PROBLEM
[0004] Therefore, multiple pass existing, accurately determination doing Mobile unit, and when multiple pass does not exist compared to, determination does Mobile unit to, accurately what is desired.
- TECHNICAL SOLUTION
[0005] This invention the goniometry value which was measured the Mobile unit which it adjoins (neighboring mobile units) by (angle measurements) using, is method and the system in order determination to do Mobile unit. In order the Mobile unit which is selected and that the adjacent Mobile unit group of the Mobile unit which is selected, that only measurement to report the information which it is related to the position of the Mobile unit which is selected, the indication (instruct) it is done selectively. The information which is reported (reported information), that it is used in order to calculate the position of the Mobile unit which is selected.
- BEST MODE
[0006] The occasion where you explain concerning this invention, you suppose below. The ecad antenna (adaptive antenna) there are times when it has in Mobile unit, known direction facing with the typical using of those devices height plane surface (elevation plane) in, they reach the point where it operates. As for azimuth of the ecad antenna, there are no times when it is understood transcendentally in the system. For example, when the signal of the electromagnetic wave and the like incidence it does from direction of specification, that arrival direction (vis-a-vis the axis of antenna array) (360/n) it is possible to measure at precision of degree. N is the number of elements of array here.

[…/…]

- [0030] So far, this invention was expressed in detail, but mind of this invention which is defined not to be something where this invention is limited in this, at the same time by the range of patent claim and deviating from the range it is possible the dying and among those to modify variously.
- DESCRIPTION OF DRAWINGS
  1. The system in order determination to do the Mobile unit due to one execution form of this invention is shown.
  2. Method in order determination to do the Mobile unit due to one execution form of this invention is shown.

CLMS- 1. Target Mobile unit, when measuring the arrival direction of the signal from the base station which corresponds to the said target Mobile unit, being method in order determination to do the aforementioned target Mobile unit,
From the plural Mobile units which are located within the distance which is decided beforehand from plural base stations and the aforementioned target Mobile unit at the same time possess ecad antenna array, the step which obtains the information regarding the relative position of the aforementioned target Mobile unit and,
Following to the aforementioned information, the step which the aforementioned target Mobile unit determination is done
The method of featuring that it has.

- 2. As required the information which was collected from the Mobile unit group other than Mobile unit of one specification, being the step which transmits request from Mobile unit of the specification of the aforementioned one vis-a-vis the aforementioned base station, when Mobile unit of the specification of the aforementioned one cannot form the aforementioned information, the step which transmits the aforementioned request
  Furthermore in the claim 1 which features that it has method of statement.
- 3. That the aforementioned information is offered to the Mobile unit group which is categorized to the vicinity of the aforementioned Mobile unit which transmitted the aforementioned demand for the aforementioned information, the step which indicates
  Furthermore in the claim 2 which features that it has method of statement.
- 4. The description above as for the Mobile unit group which is indicated, in the claim 3 which features that it is limited to the Mobile unit group which is located inside the geographical range of specification method of statement.
- 5. As for the aforementioned information, relative angle with the aforementioned target Mobile unit and the aforementioned Mobile unit which offers information, propagation delay with the aforementioned target Mobile unit and base station, amplitude of the signal which is received from propagation delay and the aforementioned target Mobile unit with base station and the aforementioned Mobile unit which offers information, amplitude of the signal which is received from base station, in the claim 1 which features that arrival direction of the signal from the aforementioned target Mobile unit, and arrival direction of the signal from base station are included method of statement.

[…/…]

- 11. In the claim 9 which features that the calculation expedient which calculates the reliability of the aforementioned information furthermore is had the system of statement.
- 12. As for the aforementioned information, relative angle with the aforementioned target Mobile unit and the aforementioned Mobile unit which offers information, propagation delay with the aforementioned target Mobile unit and base station, amplitude of the signal which is received from propagation delay and the aforementioned target Mobile unit with base station and the aforementioned Mobile unit which offers information, amplitude of the signal which is received from base station, in the claim 9 which features that arrival direction of the signal from the aforementioned target Mobile unit, and arrival direction of the signal from base station are included the system of statement.

UP - 2008-04

Searching

Basic Index (default)

Search by	Index	Search hints	Examples
Terms in the Basic Index	/BI (default)	The Basic Index contains the fields: • title (TI) • abstract (AB) • claims (CLMS) • description (DESC, DES2) For all these indexes, search by: - single terms, using Boolean or proximity operators, or - phrases, using implied adjacency Use limited and unlimited truncation. Left-hand truncation is also available. To search the fields individually, use the field qualifiers below.	(ECAD OR ADAPTIVE) W ANTENNA MOBILE UNIT
Title –English (machine translation)	/TI	Search by single terms or phrases proximity operators, boolean operators & truncation may also be used.	/TI POSITION MEASUR+ AND MOBILE
Abstracts English (machine translation)	/AB		/AB GONIOMETR+ AND MOBILE UNIT?
Claims – English (machine translation)	/CLMS	Search Claims: - Single terms using Boolean or proximity operators. - Phrases using implied adjacency. Use truncation. Left-hand truncation is available. Note : For documents with numerous claims, the text will be separated in two fields CLMS and CLM2. The same if the text of description is very long, it will be separated in two fields DESC and DES2.	/CLMS/CLM2 TARGET MOBILE UNIT P MEASUR+
Descriptions - English (machine translation)	/DESC		/DESC/DES2 (ECAD OR ADAPTIVE) W ANTENNA

Classifications

Search by	Index	Search hints	Examples
International Patent Classification (IPC v 8)	/IC /ICAA /ICAI /ICAN /ICCA /ICCI /ICCN	IPC All IPC v8 IPC Advanced All IPC Advanced Inventive IPC Advanced Non-Inventive IPC Core All IPC Core Inventive IPC Core non-Inventive IPC codes can be searched at different levels : full code (ANNA-NNN/NNNN) group (ANNA-NNN) sub-class (ANNA) class (ANN+ – use unlimited truncation)	/IC H04Q-007/34 /IC H04Q-007 /IC H04Q /IC H04#

FI and F-terms : Developed by Japanese Patent Office		*See IPDL and PATOLIS websites for more info and FI / F-term lookup JP documents from 1980 onwards(not complete for JPU and JPT docs)	
FI (File Index)	/FI	** Note: FI terms are displayed and searched in the JPO format facilitating lookups in the online thesauri, FI IPC class format (no padding zeros) is different to the standard IC QO format (padding zeros) Classification derived from the IPC 6th edition.** It is an extension of the IPC (similar to ECLA classification). The classifications are cascaded with discrimination section and then subdivision ,but without intervening spaces between the original IPC **Searching with** the spaces allows retrieval of **exactly** what the office indexed, **searching without** the spaces retrieves more **broadly**. Format of FI classes is as follows : - an IPC class: ANNA[N]N/NN[N] - an IPC code followed by a file discrimination symbol (1 letter) :ANNA[N]N/NN[N] A - an IPC code followed by a subdivision symbol (3 chars) :ANNA[N]N/NN[N] NNN - an IPC code followed by both subdivision and file discrimination symbols : ANNA[N]N/NN[N] NNNA - an IPC code with facet (3 letters) ANNA[N]N/NN[N] ZNN	/FI H04B7/26 /FI H04B7/26 B /FI H04B7/26 106 /FI H04B7/26 106A
F-term (File Forming Term)	/FTM	Classification based on different technical viewpoints . Format : Theme code (5 digits) NANNN Theme code and technical viewpoint indicator (2 letters) NANNN AA+ Theme code, technical viewpoint and “figure” indicator (2 digits) NANNN AANN	/FTM 5J062 /FTM 5J062 AA+ /FTM 5J062 AA08 /FTM 4J002 AC03.3

* http://search.p4.patolis.co.jp/search_en.html

Publication Numbers

Search by	Index	Search hints	Examples
Publication number : - Date	/PN	Search using the patent/publication number in the format: JPNNNNNNN For Utility Models : JPNNNNNNNU For publications with less than 7 characters, infill with hyphens (-) Search by publication date: YYYY-MM-DD YYYY-MM YYYY	/PN JP2008022572 /PN JP3139203U /PN 20070715 /PN 200707 /PN 2007
Publication date	/PD	Search in the format: YYYY-MM-DD YYYY-MM YYYY Use numeric operators: =, <, >, <=, >=	PD=2007-07-15 PD>=2007-07 PD<=1950
PCT Publication Number - Date	/PPN	For Japanese T documents Search by: • The publication number in the PCT format : WOAAAANNNNNN. • The publication dates. Use truncation, date ranging is not possible • The precense of the fields	/PPN WO2005124976 / PPN 20051229 /PPN 200512+ /PPN 2005+ PPN=YES
Notes	/NO	Contains information such as the number of claims, drawings, and pages.	/NO CLAIMS S " 6" NO=YES

Application Numbers

Search by	Index	Search hints	Examples
Application number:	/AP	Search application number using the number in the format: YYYYCC-NNNNNNN YYYY= 4-digit application year CC= ISO country code NNNNNNN= 7 digit application number (fill with 0 zero(s) if number contains less than 7 digits) Search Utility application number using the number in the format: YYYYCC-UNNNNNN YYYY= 4-digit application year CC= ISO country code U= Utility application NNNNNN= 6 digit application number (fill with 0 zero(s) if number contains less than 7 digits)	/AP 2007JP-0223221 /AP 2007JP-U009065
- Date		Search by application date in the format: YYYYMMDD YYYYMM YYYY	/AP 20070829 /AP 200708 /AP 2007
Application Date	/APD	Search in the format: YYYY-MM-DD YYYY-MM YYYY Use numeric operators:=, <, >, <=, >=	APD=2006-01-05 APD=2001-01 APD>=2006
Registration Details	/FD	Search by: • AAAAJP-NNNNNNN • Search by date in the format: YYYYMMDD YYYYMM YYYY	/FD 2003JP-0123832 /FD 20030428 /FD 200304+ /FD 2003+
PCT Application Numbers	/PAP	For Japanese T documents Search by: • The publication number in the format : YYYYWO-NNNNNN. • The publication dates. Use truncation, date ranging is not possible • The precense of the fields	/PAP 2005WO-US20758 /PAP 20050610 /PAP 200506+ /PAP 2005+ PAP=PRES

Priority Numbers

Search by	Index	Search hints	Examples
Priority number: - Date	/PR	Search the priority number using the number in the format: YYYYCC-NNNNNNN YYYY= 4-digit application year CC= ISO country code NNNNNNN= 7 digit application number (fill with leading 0 zero(s) if number contains less than 7 digits) Search the ISO country code for priority country Search by priority date in the format: YYYYMMDD YYYYMM YYYY	/PR US60399782 /PR US /PR 20020731 /PR 200207 /PR 2002
Priority date	/PRD	Search in the format: YYYY-MM-DD YYYY-MM YYYY Use numeric operators:=, <, >, <=, >=.	PRD=2002-07-31 PRD>=2002-07 PRD<=2002

Crossfile Searching

Search by	Index	Search hints	Examples
Patent number	/XPN	Standardized patent number for use with the MEM command and the *MEM super-term. Standardized application number for use with the MEM command and the *MEM super-term. Standardized priority number for use with the MEM command and the *MEM super-term.	MEM /XPN *MEM /XPN
Application number	/XAP		MEM /XAP *MEM /XAP

Assignee, Inventor and Representative

Search by	Index	Search hints	Examples
Patent Assignee	/PA	Search the patent assignee name using single terms or phrases. Note: Use with NBR, MEM and MEMS commands; /PAN index	/PA INTADEIJITARU /PA YAMATO ET OIL?
Inventor(s)	/IN	Inventor Name Representative Name Search the inventor or Representative name, with or without first name, using single terms or phrases. Use the D proximity operator to combine family name and first name. Note: Use the /INN or REPN index with the NBR, MEM and MEMS commands.	/IN TAKANORI M OIKAWA
Nom du mandataire	/REP		/REP YOSHIKAZU M TANI

Citations

Search by	Index	Search hints	Examples
Citations	/CT	The contents of the citation field have not been standardized. Check for the presence of the field.	CT=YES

Other Indexes

Search by	Index	Search hints	Examples
Ascension Number in database	/AN	Number is same as patent publication number.	/AN JP2007223221A
Update in database	/UP	Field indicated date update in the database. Search by: - week YYYY-WW - month YYYY-MM - year YYYY SDIs are executed bimonthly by default, or monthly by request.	/UP 2008-04 /UP4 2008-01 /UP 2008+ SV PF maDSI ; SURV /UP4

Document Displays

	Formats												
Fields	SCAN (or SC)	TEST (or TR)	CLAS	TEXT	FTS	QCLM	DSCS	BIB	DOC	STDR (default)	PDFR	MAX	ALL (or FTXT)
AB									✓	✓	✓	✓	
AP									✓	✓	✓	✓	
CLMS					✓	✓						✓	
CT													
DESC					✓		✓					✓	
FD									✓		✓		
FI		✓								✓		✓	
FTM		✓								✓		✓	
IC1		✓	✓							✓	✓	✓	
IC2		✓	✓							✓	✓	✓	
IN	✓								✓	✓	✓	✓	
NO												✓	
PA	✓		✓						✓	✓	✓	✓	
PAP											✓		
PN			✓		✓	✓	✓		✓	✓	✓	✓	
PPN											✓		
PR									✓	✓	✓	✓	
REP										✓		✓	
TI	✓	✓	✓						✓	✓	✓	✓	
UP										✓		✓	

The contents of the APD, PD and PRD fields are included respectively in the AP, PN and PR fields.
The AN and UP fields are not viewable in a predefined format. To add one of these fields, use the PLUS parameter ie: PRT ALL PLUS UP

Image Display

To display an image in a record, use the IMG parameter.

Displaying image with specified field(s): Include the IMG parameter with the desired field.
Examples: **PRT TI IMG** or **PRT PD IMG**

Displaying text and image: Add the IMG parameter to a display format.
Examples: **PRT TEST IMG** or **PRT MAX IMG**

Note : Images are not available for Utility Model records

List of Fields

Tous ces champs sont utilisables avec les commandes VI, PA et =PRES.

AB	English Abstract
AN	Accession Number
AP	Application Numbers
APD	Application Date
CLMS	Claims
CT	Citations
DESC	Description
FD	Registration Details
FI	Japanese Classifications « File Index »
FTM	Japanese Classifications « F-term »
IC1	Codes de classification CIB principale
IC2	Codes de classification CIB secondaire
IN	Inventor Name
NO	Notes
PA	Assignee Name
PAP	PCT Application Number
PD	Publication Date
PN	Publication Number
PPN	PCT Publication Number
PR	Priority Numbers
PRD	Priority Number
QW	Questel Update Week
REP	Representative Name
TI	English Title
UP	Update to the database
UP4	Monthly Update code
XAP	Standardized Application Number – Crossfile searching
XPN	Standardized Publication Number – Crossfile searching