

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 110518PCT	FOR FURTHER ACTION	see Form PCT/ISA/220 as well as, where applicable, item 5 below.
International application No. PCT/CN2011/073056	International filing date (<i>day/month/year</i>) 20 Apr. 2011(20.04.2011)	(Earliest)Priority date (<i>day/month/year</i>) 22 Dec. 2010(22.12.2010)
Applicant ZTE CORPORATION et al.		

This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This international search report consists of a total of 4 sheets.

It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

a. With regard to the **language**, the international search was carried out on the basis of:

the international application in the language in which it was filed

a translation of the international application into _____, which is the language of a translation furnished for the purposes of international search (Rules 12.3(a) and 23.1(b))

b. This international search report has been established taking into account the **rectification of an obvious mistake** authorized by or notified to this Authority under Rule 91 (Rule 43.6bis(a)).

c. With regard to any **nucleotide and /or amino acid sequence** disclosed in the international application, see Box No. I.

2. **Certain claims were found unsearchable** (see Box No. II)

3. **Unity of invention is lacking** (see Box No. III)

4. With regard to the **title**,

the text is approved as submitted by the applicant.

the text has been established by this Authority to read as follows:

5. With regard to the **abstract**,

the text is approved as submitted by the applicant.

the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box IV. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. With regard to the **drawings**,

a. The figure of the **drawings** to be published with the abstract is Figure No. 1

as suggested by the applicant

as selected by this Authority, because the applicant failed to suggest a figure

as selected by this Authority, because this figure better characterizes the invention

b. none of the figures is to be published with the abstract

INTERNATIONAL SEARCH REPORT

International application No.

PCT/CN2011/073056

Box No. IV Text of the abstract (Continuation of item 5 of the first sheet)

The present invention discloses a method and a device for improving an access success ratio of a terminal in a mobile communication system. The method includes the following steps: a base station system obtains, according to pilot strength information of each access frequency point, a priority of coverage situation of each access frequency point (103); when the pilot strength of the access frequency point of a subsequent terminal is weaker, an access frequency point is allocated to the terminal according to the priority and load balance situation among frequency points. With the application of the present invention, the terminal can be allocated to the access point, which has a higher pilot strength and satisfies load balance, as much as possible, and the access success ratio of the terminal can be improved, and the situation that the terminal can not access the system or drops words can be avoided as much as possible, and use experience of a terminal user and wireless performance indexes of the mobile communication system are improved.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/CN2011/073056

A. CLASSIFICATION OF SUBJECT MATTER

H04W48/06 (2009.01) i

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC: H04W48/-;H04W74/-;H04W76/-;H04Q7/-H04L12/-

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

CNABS;CNKI;CNTXT;VEN: access, frequency 1w point, frequency, frequencies, pilot, strength, priority, priorities, order, sort, load

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	CN101778447A (HUAWEI TECHN CO LTD) 14 July 2010 (14.07.2010) specification paragraphs [0025]-[0033]	1-9
Y	CN1374773A (HUAWEI TECHN CO LTD) 16 Oct. 2002 (16.10.2002) specification page 3 paragraphs 5-9	1-9
A	CN101212764A (DA TANG MOBILE COMMUNICATION EQUIP) 02 July 2008 (02.07.2008) the whole document	1-9

Further documents are listed in the continuation of Box C.

See patent family annex.

<p>* Special categories of cited documents:</p> <p>“A” document defining the general state of the art which is not considered to be of particular relevance</p> <p>“E” earlier application or patent but published on or after the international filing date</p> <p>“L” document which may throw doubts on priority claim (S) or which is cited to establish the publication date of another citation or other special reason (as specified)</p> <p>“O” document referring to an oral disclosure, use, exhibition or other means</p> <p>“P” document published prior to the international filing date but later than the priority date claimed</p>	<p>“T” later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</p> <p>“X” document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</p> <p>“Y” document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art</p> <p>“&”document member of the same patent family</p>
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Date of the actual completion of the international search
02 Sep. 2011(02.09.2011)

Date of mailing of the international search report
22 Sep. 2011 (22.09.2011)

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INTERNATIONAL SEARCH REPORT
Information on patent family members

International application No.
PCT/CN2011/073056

Patent Documents referred in the Report	Publication Date	Patent Family	Publication Date
CN101778447A	14.07.2010	None	
CN1374773A	16.10.2002	CN1134921C	14.01.2004
CN101212764A	02.07.2008	None	