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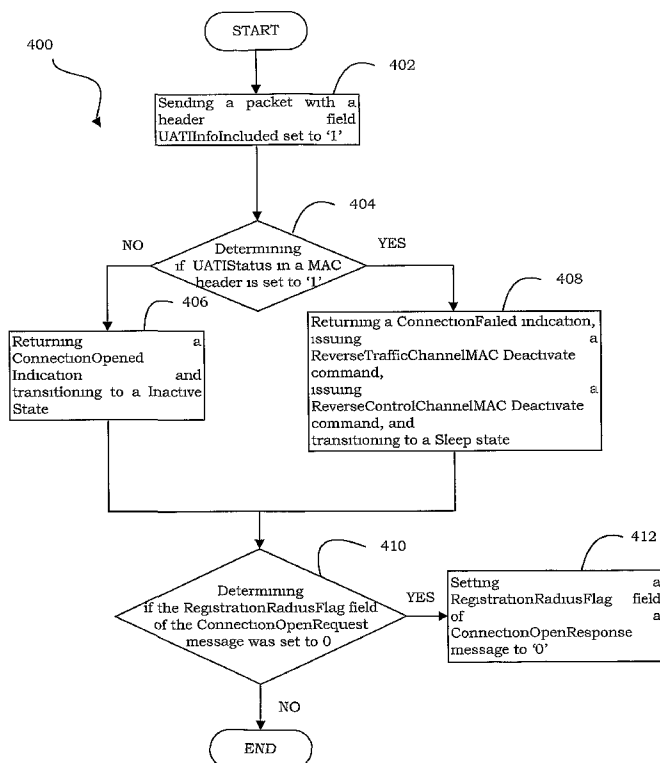
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[Continued on next page]

(54) Title: A METHOD AND APPARATUS FOR PROCESSING BINDUATI STATE IN WIRELESS COMMUNICATION SYSTEMS



(57) Abstract: A method and apparatus for processing BindUATI state in a wireless communication system characterized in that a packet is sent (402) with a header field UATIInfoIncluded set to '1', and it is determined (404) if UATISStatus in a MAC header is set to '1'.

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FR, GB, GR, HU, IE, **IS**, **IT**, LT, LU, LV, MC, NL, PL, PT, **RO**, SE, **SI**, SK, TR), OAPI (BF, **BJ**, CF, CG, CI, CM, GA, GN, GQ, GW, ML, **MR**, NE, SN, TD, TG).

— *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments*

Declarations under Rule 4.17:

- *as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(U))*
- *as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(Hi))*

Published:

- *with international search report*

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For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

INTERNATIONAL SEARCH REPORT

International application No
PCT/US2006/042006

A. CLASSIFICATION OF SUBJECT MATTER

INV. H04Q7/38

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)
H04Q

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 practical, search terms used)

EPO-Internal

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>3GPP2 c: "cdma2000 High Rate Packet Data Air Interface Specification; 3GPP2 C.S0024-A version 2.0,"</p> <p>3GPP2 CDMA2000, July 2005 (2005-07), page 0, 8-29 - 8-31, 8-40 - 8-41, 8-59 - 8-61, XP002426325</p> <p>pages 8-29, line 1 - pages 8-31, line 5</p> <p>pages 8-40, line 6 - pages 8-41, line 20</p> <p>pages 8-59, line 26 - pages 8-61, line 19</p> <p style="text-align: center;">----- -/-</p>	1-16

☒ Further documents are listed in the continuation of Box C.

D See patent family annex.

* Special categories of cited documents :

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

"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)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"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

"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

"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.

"&" document member of the same patent family

Date of the actual completion of the international search

29 March 2007

Date of mailing of the international search report

16/04/2007

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INTERNATIONAL SEARCH REPORT

International application No.
PCT/US2006/042006

Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:

2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:

3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.

2. ☒ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.

3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:

4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

☐ The additional search fees were accompanied by the applicant's protest.

☐ No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-9

A method, computer readable medium and an apparatus for processing a BindUATI state in a wireless communication system that comprise sending a packet with a header field and determining if a particular status is set to a particular value in a MAC header.

2. claims: 10-16

A method, computer readable medium and an apparatus for processing a BindUATI state in a wireless communication system that comprise starting a state timer, incrementing an internal variable and transmitting a request message having a flag set and determining if the state timer expires.
