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[Continued on next page]

(54) **Title**: METHODS, SYSTEMS AND DEVICES FOR OBTAINING SYSTEM INFORMATION IN A WIRELESS NETWORK

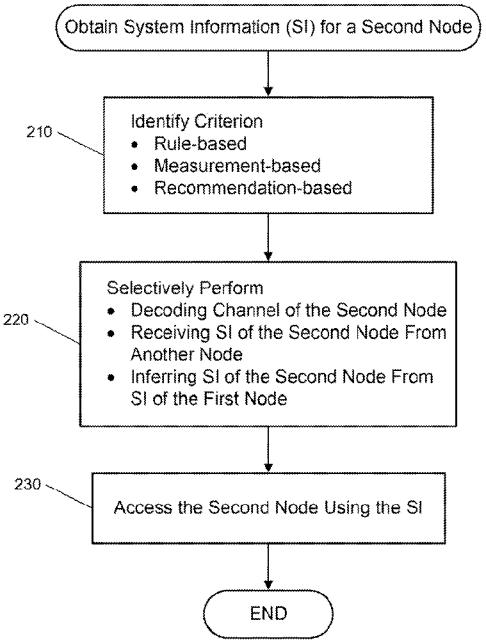

FIGURE 2

(57) **Abstract**: System Information (SI) of a second node of a wireless network is obtained for a wireless device that is communicating with a first node of the wireless network. In response to at least one criterion, one or more of the following operations are performed., to obtain the SI of the second node: decoding at least one channel of the second node to obtain the SI of the second node; receiving the S3 of the second node from a node other than the second node; and/or inferring at least one component of the SI of the second node based on a corresponding at least one component of the SI of the first node. Related systems, methods, nodes and wireless devices are also described.

WO 2014/027324 A3

WO 2014/027324 A3

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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER
INV. H04W48/16
ADD.

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)
H04W

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)
EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 2011/035420 A1 (RESEARCH IN MOTION LTD [CA]; FONG MO-HAN [CA]; HEO YOUN HYOUNG [CA]) 31 March 2011 (2011-03-31)	1-3, 18-20, 34-39
A	paragraph [0067] - paragraph [0070] paragraph [0084] - paragraph [0092]	4-7, 12-17, 21-24, 29-33, 40-43
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[X] Further documents are listed in the continuation of Box C.

[X] 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 application or patent 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	Date of mailing of the international search report
13 December 2013	10/02/2014

Name and mailing address of the ISA/	Authorized officer
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INTERNATIONAL SEARCH REPORT

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C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	3GPP: "3GPP TS 36.331 V9.4.0 (2010-09) Technical Specification 3rd Generation Partnership Project; Technical Specification Group Radio Access Network; Evolved Universal Terrestrial Radio Access (E-UTRA); Radio Resource Control (RRC); Protocol specification (Release 9)", INTERNET CITATION, 1 September 2010 (2010-09-01), page COMPLETE, XP008163200, paragraph [5.2.2] - paragraph [5.2.3] page 102 - page 139 paragraph [10.2] - paragraph [10.3]	1,18,35, 38
X	WO 2011/088468 A1 (QUALCOMM INC [US]; JI TINGFANG [US]; GAAL PETER [US]; FONG GENE [US];) 21 July 2011 (2011-07-21) paragraph [0035] - paragraph [0040] figures 5,6	1,18,35, 38

INTERNATIONAL SEARCH REPORT

International application No.
PCT/IB2013/056646

Box No. 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 No. 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 fees, this Authority did not invite payment of additional fees.

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.:

1, 2, 4-7, 12-24, 29-43(completely); 3(partially)

Remark on Protest

☐ The additional search fees were accompanied by the applicant's protest and, where applicable, the payment of a protest fee.

☐ The additional search fees were accompanied by the applicant's protest but the applicable protest fee was not paid within the time limit specified in the invitation.

☐ 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, 2, 4-7, 12-24, 29-43(completely); 3(partially)

   The first invention deals with the problem of reliably obtaining System Information SI of a second node a wireless network for a wireless device that is communicating with a first node of said network.

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2. claims: 8, 9, 25, 26

   The second claimed invention deals with the problem of preventing the depletion of the battery of an UE which has already a low energy level..

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3. claims: 10, 27(completely); 3(partially)

   The third claimed invention deals with the problem of avoiding wasting network resources and UE battery power in attempting to preform a process for obtaining SI for an UE belonging to a device class that does not support said process.

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4. claims: 11, 28

   The fourth claimed invention deals with the problem avoiding wasting network resources and UE battery power in attempting to preform a process for obtaining SI for an UE located in an area where it is known that said process will be unsuccessful.

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No
PCT/IB2013/056646

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
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		CN 102907152 A	30-01-2013
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