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- (81) **Designated States** (*unless otherwise indicated, for every
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KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME,
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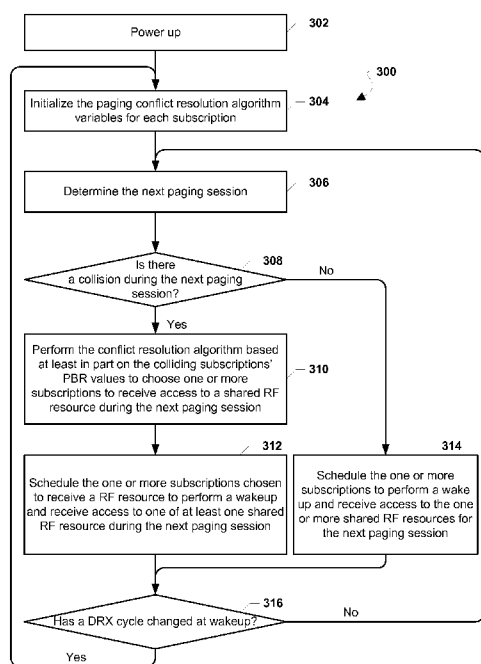
(54) **Title:** METHOD AND APPARATUSES FOR FAIR PAGING CONFLICT RESOLUTION

FIG. 3

(57) **Abstract:** The various embodiments include methods for managing how a multi-SIM-multi-standby (MSMS) communication device that is accessing an arbitrary combination of multiple telephony networks processes paging collisions. The embodiment methods promote the control of the paging block rates for two or more subscriptions, in which a subscription's paging block rate is the subscription's number of blocked pages during a certain time multiplied by the subscription's discontinuous reception cycle. In the various embodiments, an MSMS communication device may implement a fair paging conflict resolution algorithm to keep each subscription's paging block rate approximately equal over time.

**Declarations under Rule 4.17:**

- *as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))*
- *as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))*
- *before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments (Rule 48.2(h))*

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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER

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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	EP 2 432 288 A1 (ST ERICSSON SA [CH]) 21 March 2012 (2012-03-21)	1-4, 12-15, 23-26, 34-37
A	abstract paragraphs [0019] - [0022], [0029] - [0038] figures 1-3	5-11, 16-22, 27-33, 38-44
X	WO 2012/106664 A1 (QUALCOMM INC [US]; DHANDA MUNGAL SINGH [GB]; MUTYA SUBBARAYUDU [IN]; K) 9 August 2012 (2012-08-09)	1-4, 12-15, 23-26, 34-37
A	abstract paragraphs [0040] - [0043], [0047] figures 3,4A,4B,5,6	5-11, 16-22, 27-33, 38-44
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Further documents are listed in the continuation of Box C.



See patent family annex.

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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	EP 2 605 559 A1 (BROADCOM CORP [US]) 19 June 2013 (2013-06-19)	1-4, 12-15, 23-26, 34-37
A	abstract paragraphs [0034] - [0049] figures 1-5	5-11, 16-22, 27-33, 38-44
A	----- EP 2 466 970 A1 (ST ERICSSON SA [CH]) 20 June 2012 (2012-06-20) abstract paragraphs [0033] - [0055], [0067] - [0082] figures 1-6 -----	1-44

INTERNATIONAL SEARCH REPORT

Information on patent family members

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