



- (51) **International Patent Classification:**
H04W 36/00 (2009.01) H04W 56/00 (2009.01)
- (21) **International Application Number:**
PCT/SE2012/050437
- (22) **International Filing Date:**
26 April 2012 (26.04.2012)
- (25) **Filing Language:** English
- (26) **Publication Language:** English
- (30) **Priority Data:**
61/524,623 17 August 2011 (17.08.2011) US
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- (81) **Designated States (unless otherwise indicated, for every kind of national protection available):** AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.
- (84) **Designated States (unless otherwise indicated, for every kind of regional protection available):** ARIPO (BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Declarations under Rule 4.17:

— of inventorship (Rule 4.17(iv))

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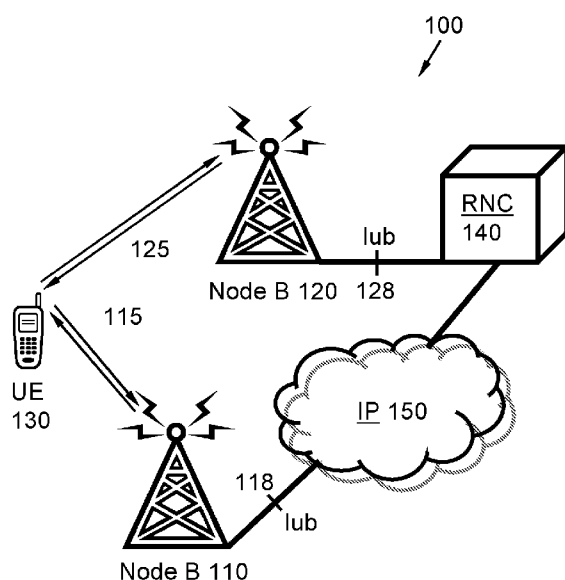
(54) **Title:** METHOD AND CONTROLLING NETWORK NODE IN A RADIO ACCESS NETWORK

Fig. 3

(57) **Abstract:** Method and controlling network node (140) for transmitting data to a user equipment (130) over a set of radio links (115,125), when a radio link (115,125) is added, or removed. The controlling network node (140) is configured to communicate data to the respective radio network node (110,120) over a respective backhaul link (118,128), of which at least one backhaul link (118) is connected over an Internet Protocol, IP, network (150). The method (500) comprises measuring (501) the time delay over the corresponding backhaul link (118,128) for each radio link (115,125), determining (502) time difference between them, calculating (503) a buffer time for each radio link (115,125), and buffering (507) data in a buffer (625) for the calculated period of time before forwarding the data to the radio network node (110,120), for transmission to the user equipment (130).

**Published:****(88) Date of publication of the international search report:**

25 April 2013

- *with international search report (Art. 21(3))*
- *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))*

INTERNATIONAL SEARCH REPORT

International application No.
PCT/SE2012/050437

A. CLASSIFICATION OF SUBJECT MATTER

IPC: see extra sheet

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: H04W

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

SE, DK, FI, NO classes as above

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

EPO-Internal, PAJ, WPI data, COMPENDEX, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 20090190569 A1 (HACENA FARID), 30 July 2009 (2009-07-30); abstract; paragraphs [0004], [0006]-[0007], [0010], [0024], [0037]-[0041]; figures 1-10	1, 7-17, 23-33
A	--	2-6, 18-22
A	GB 2454872 A (MOTOROLA INC), 27 May 2009 (2009-05-27); abstract; page 10, line 10 - line 13; page 12, line 14 - page 13, line 3; page 14, line 9 - page 15, line 6; figure 3	1-33
A	WO 2009011756 A1 (LUCENT TECHNOLOGIES INC ET AL), 22 January 2009 (2009-01-22); abstract; page 6, line 25 - page 7, line 33; figures 1-2	1-33



Further documents are listed in the continuation of Box C.



See patent family annex.

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

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“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

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Date of the actual completion of the international search

01-03-2013

Date of mailing of the international search report

01-03-2013

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INTERNATIONAL SEARCH REPORT

International application No.
PCT/SE2012/050437

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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A	US 20070047495 A1 (JI TINGFANG ET AL), 1 March 2007 (2007-03-01); abstract; paragraphs [0059]-[0063] --	1-33
A	WO 2008061338 A1 (BELAIR NETWORKS INC ET AL), 29 May 2008 (2008-05-29); abstract; paragraphs [0011]-[0012] -- -----	1-33

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International Patent Classification (IPC)

H04W 36/00 (2009.01)

H04W 56/00 (2009.01)

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

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