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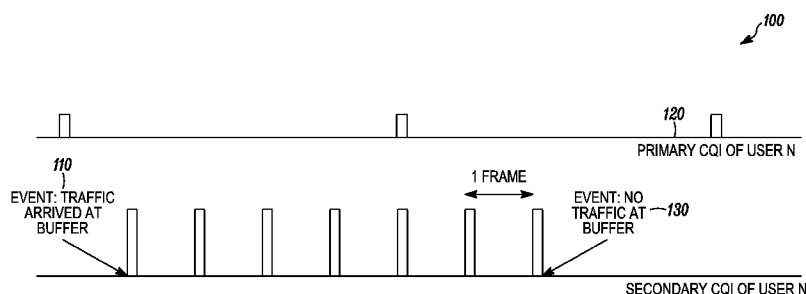
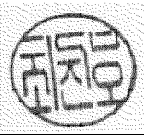


FIG. 1

(57) Abstract: An embodiment of the present invention provides an apparatus, including a transceiver adapted for use in a wireless network using a fast feedback channel design that incorporates a 2-two level adaptive fast feedback channel framework separating uplink (UL) fast feedback channels into primary and secondary UL fast feedback channels.

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A. CLASSIFICATION OF SUBJECT MATTER		
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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: H04L, H04B, H04J		
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Korean Utility Models and applications for Utility Models since 1975 Japanese Utility Models and applications for Utility Models since 1975		
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used) eKOMPASS(KIPO internal) & keywords: fast feedback channel, CQI, channel quality, uplink		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X ----- A	US 2008-0225792 A1 (AYMAN FAWZY et al.) 18 September 2008 See abstract; p.2[0032][0035-0036][0039], p.3[0039][0050]; fig. 1	1, 7, 13, 19 ----- 2-6, 8-12, 14-18, 20-22
X ----- A	US 2007-0254598 A1 (RAINER WALTER BACHL et al.) 01 November 2007 See abstract; p.2[0032][0035-0036][0039], p.3[0039]; fig. 2	1, 7, 13, 19 ----- 2-6, 8-12, 14-18, 20-22
A	US 2008-0119213 A1 (BIN CHUL IHM et al.) 22. May 2008 See abstract; p.3[0040], p.3[0051]; fig. 1	1-22
☐ Further documents are listed in the continuation of Box C. ☒ See patent family annex.		
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