



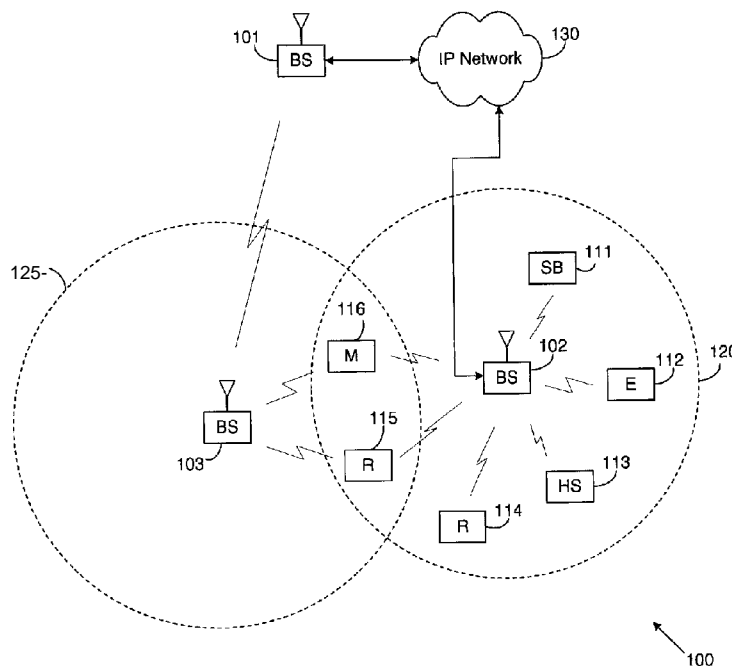
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[Continued on nextpage]

(54) **Title:** SYSTEMS AND METHODS FOR TRANSMITTING CHANNEL QUALITY INFORMATION IN WIRELESS COMMUNICATION SYSTEMS

[Fig. 1]



(57) **Abstract:** A base station for use in a wireless network capable of communicating with a plurality of mobile stations. The base station transmits to a first mobile station downlink subframes of OFDM symbols. Each downlink subframe comprises a plurality of resource blocks and is associated with a subframe (SF) type that is determined according to whether or not a PDSCH region of a resource block in a downlink subframe includes at least one of: 1) a cell-specific reference signal (CRS) resource element and 2) a channel-state-information reference signal (CSI-RS) resource element.

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INTERNATIONAL SEARCH REPORT

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PCT/KR2010/008604**A. CLASSIFICATION OF SUBJECT MATTER*****H04W 48/08(2009.01)i, H04W 72/12(2009.01)1, H04L 27/26(2006.01)1***

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 48/08; H04M 1/00; H04B 7/212

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

Japanese utility models and applications for utility models

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

eKOMPASS(KIPO internal) & Keywords: "subframe type, cell-specific reference signal, channel-state-information reference signal, CQI, PMI"

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 2009-0111480 A1 (HUAMING WU et al.) 30 April 2009 See abstract, figures 1,3, paragraphs [0027] -[0034], [0049] -[0054], and claims 1-3.	1-28
A	US 2008-0095106 A1 (DURGA PRASAD MALLADI et al.) 24 April 2008 See abstract, figures 3,7B,7D,8,10, paragraphs [0037]-[0041], [0068], [0073], [0084H0085], [0087], and claims 1-7,10,12.	1-28
A	US 2009-0103482 A1 (KIMIIHIKO IMAMURA et al.) 23 April 2009 See abstract, figures 5-7, paragraphs [0048] -[0053], [0062] -[0068], and claims 1-3,9-10.	1-28
A	US 2007-0058595 A1 (BRIAN K. CLASSON et al.) 15 March 2007 See abstract, figures 4-5,11-13, paragraphs [0044] -[0045], [0061H0072], and claims 1-2,5,7.	1-28

 Further documents are listed in the continuation of Box C. See patent family annex.

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INTERNATIONAL SEARCH REPORT

Information on patent family members

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Patent document cited in search report	Publication date	Patent family member(s)	Publication date
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