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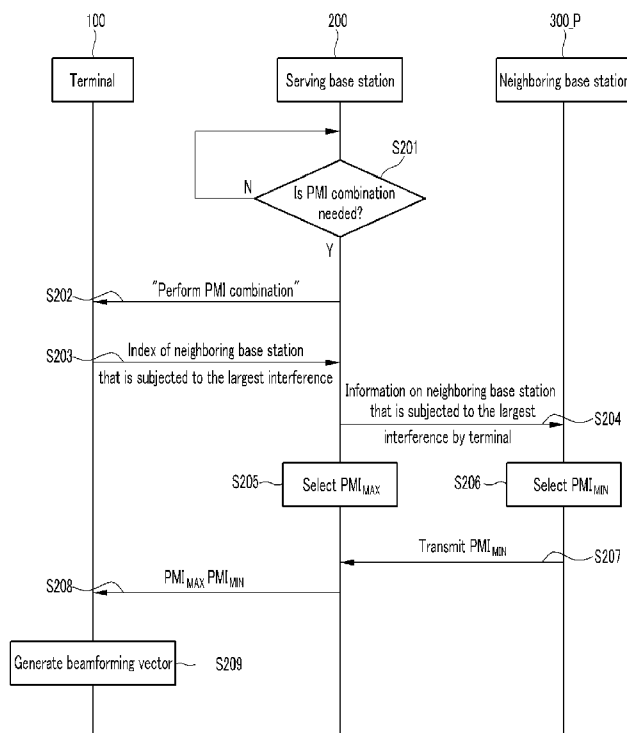
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(54) Title: METHOD TO GENERATE BEAMFORMING VECTOR AND PROVIDE THE INFORMATION FOR GENERATING BEAMFORMING VECTOR

[Fig. 2]



(57) Abstract: A method to generate a beamforming vector by a terminal includes receiving information on a first precoding matrix and a second precoding matrix from a serving base station; and generating a beamforming vector by linearly combining the first precoding matrix and the second precoding matrix.



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A. CLASSIFICATION OF SUBJECT MATTER IPC: H04B 7/06 (2006.01); H04B 7/08 (2006.01) 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) H04B 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) WPI, EPODOC		
C. 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	SAMSUNG ELECTRONICS: "Multi-cell MIMO Schemes for IEEE 802.16m", IEEE 802.16 Broadband Wireless Access Working Group, IEEE C802.16m-08/632 [online], 7 July 2008 (07.07.2008) [retrieved on 16 May 2011 (16.05.2011)]. Retrieved from the Internet: <URL:http://www.ieee802.org/16/tgm/contrib/C80216m-08_632.pdf> sections 1-4, 6, 7.	1-16
A	WO 2006055719 A2 (THE BOARD OF REGENTS, THE UNIVERSITY OF TEXAS SYSTEM) 26 May 2006 (26.05.2006) abstract, figs. 1, 2, 4, 5; page 2, line 7 - page 3, line 26; page 8, line 20 - page 10, line 6.	1-16
☒ 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

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A	WO 2007051192 A2 (QUALCOMM INCORPORATED) 03 May 2007 (03.05.2007) abstract, figs. 3, 5-7.	1-16
P,X	ETRI: "Proposed Text of Interference Mitigation for the IEEE 802.16m Amendment Working Document", IEEE 802.16 Broadband Wireless Access Working Group, IEEE C802.16m-09/1030 [online], 27 April 2009 (27.04.2009) [retrieved on 16 May 2011 (16.05.2011)]. Retrieved from the Internet: <URL: http://www.ieee802.org/16/tgm/contrib/C80216m-09_1030.pdf > sections 1-6.	1, 2, 4, 6-16

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Information on patent family members

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