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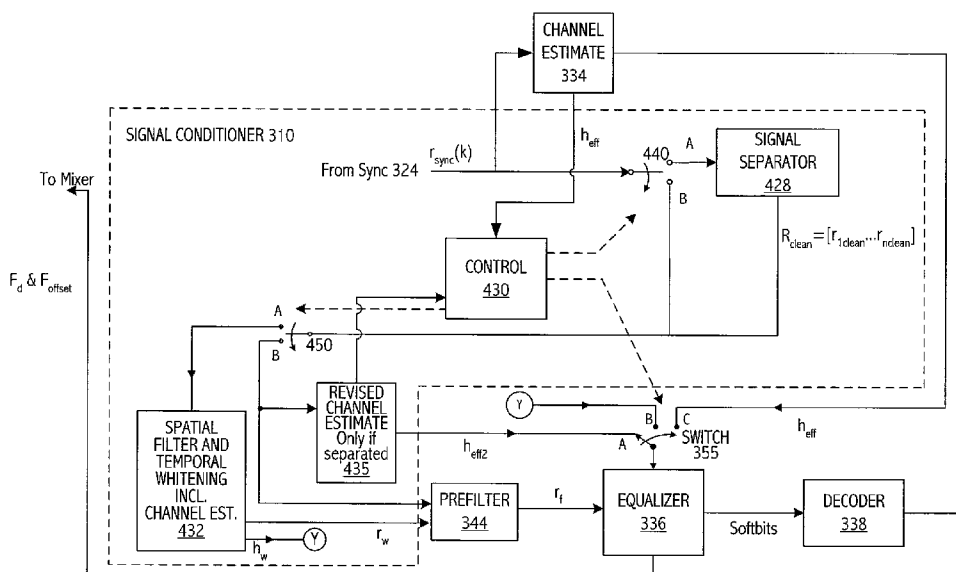
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(57) Abstract: Interference cancellation is implemented for a multiple antenna system. The multiple antenna receiver is provided that includes a whitening filter coupled to receive processed signals corresponding to signals received at respective antennas, and to generate whitened signals corresponding to each of the received signals, having a colored noise component whitened. The whitening filter coupled to determine the whitened signals, at least in part, utilizes symbols corresponding to the signals received by the plurality of antennas. A signal separator is coupled to supply the whitening filter with processed received signals having interference components reduced as compared to received signals.

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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER IPC: H04B 7/02(2006.01) USPC: 375/267 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) U.S. : 375/267 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) East		
C. DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2005/0042997 A1 (Steele et al.) 24 February 2005 (24.02.2005) figure 5 - 8 and paragraph 54 - 59	1, 8, 9, 11, and 18 -20
☐ Further documents are listed in the continuation of Box C. ☐ See patent family annex.		
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