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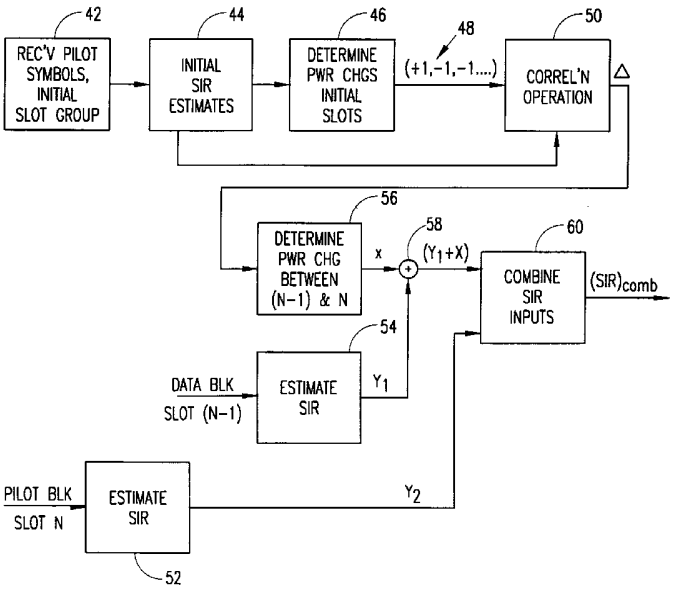
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(54) Title: SIR ESTIMATION USING DELAY TIME OF POWER CONTROL COMMANDS



(57) Abstract: A method is provided for estimating the SIR of signals transmitted between a mobile unit (20) and a base station (10), wherein the signals comprise pilot and data symbol blocks transmitted during each of a succession of time slots. SIR estimates and corresponding power changes are computed for each slot (36-40) in the initial group. The SIR estimates derived from the initial slot group are used to compute the delay time of power control commands, in order to adjust the power level thereof. The SIR for signals of a specified slot (36-40), which follows the initial slot group, is then estimated from the time delay, from the pilot block (36b-40b) of the specified slot (36-40), and from the data block (36c-40c) of the slot (36-40) immediately preceding.

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A. CLASSIFICATION OF SUBJECT MATTER
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B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
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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 practical, search terms used)
EPO-Internal, WPI Data, PAJ, INSPEC

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	EP 0 955 735 A (MATSUSHITA ELECTRIC IND CO LTD) 10 November 1999 (1999-11-10) abstract page 3, line 34 - line 46 page 5, line 7 - line 29	1,10
A	EP 0 863 618 A (FUJITSU LTD) 9 September 1998 (1998-09-09) abstract page 3, line 41 -page 4, line 37 page 16, line 39 -page 17, line 35	1,10

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

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Information on patent family members

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