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**Declarations under Rule 4.17:**

- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))
- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))

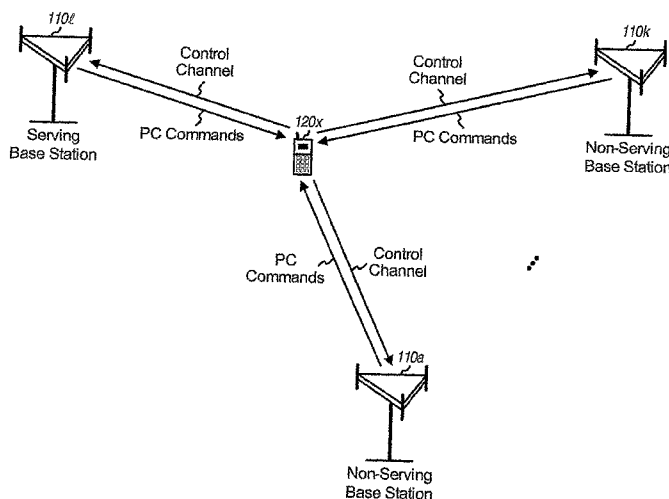
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(54) **Title:** SERVING BASE STATION SELECTION IN A WIRELESS COMMUNICATION SYSTEM



(57) **Abstract:** Techniques for selecting a reverse link (RL) serving base station for a terminal are described. The terminal sends a transmission on the reverse link to multiple base stations in a wireless communication system. The transmission may be for signaling sent on a control channel. The terminal receives feedback (e.g., power control (PC) commands and/or erasure indications) from the multiple base stations. Each base station may generate feedback based on the control channel and/or some other transmission received from the terminal. The terminal performs reverse link power control and further selects an RL serving base station based on the received feedback. For example, the terminal may select the base station with the lowest transmit power level, the largest percentage of power down commands, or the lowest erasure rate as the RL serving base station.

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# INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER  
INV. H04Q7/38 H04B7/00

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)

H04Q H04L 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 practical, search terms used)

EPO-Internal

## 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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|           | -/--                                                                                                                                                                      |                               |

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☒ See patent family annex.

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| C(Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT |                                                                                                                                                                                                                                         |                                      |
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| Category*                                            | Citation of document, with indication, where appropriate, of the relevant passages                                                                                                                                                      | Relevant to claim No.                |
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