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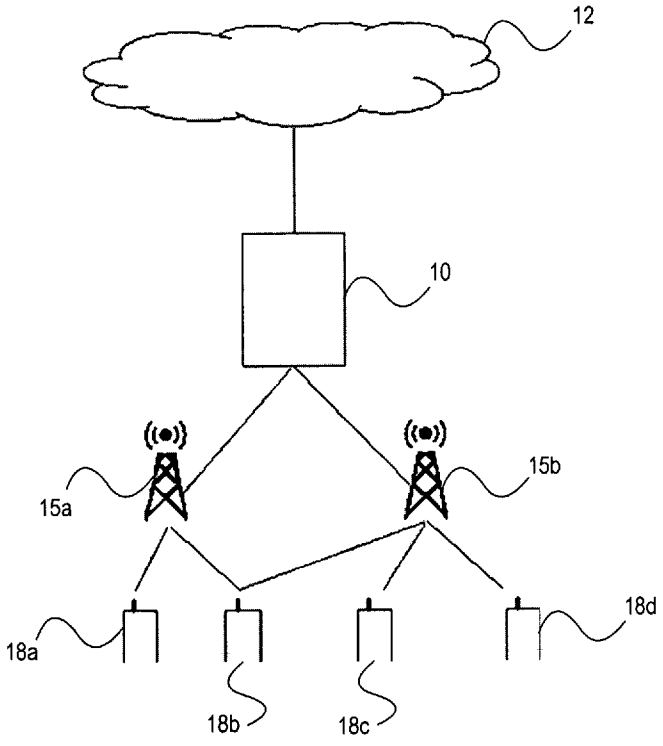


Figure 1

(57) Abstract: The present invention relates to methods, a user equipment and a radio base station in a communication network, in which a downlink out-of-coverage is detected based on measurements done on a common channel or on the combination of common and dedicated channels. The out-of-coverage is then reported to the network, either using resources proactively assigned to the user equipment, or by transmitting a predetermined pattern of signature sequences assigned to the user equipment.

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