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Remarks:

• This application was filed on 11-11-2014 as a divisional application to the application mentioned under INID code 62.
• Claims filed after the date of receipt of the divisional application (Rule 68(4) EPC).

(54) **Dynamic channel quality measurement procedure for adaptive modulation and coding techniques**

(57) Method of receiving and transmitting downlink data, a user equipment mobile terminal, UE, a base station, BS, and a wireless communication system are disclosed. A base station is configured to transmit a request to provide a channel quality report. A wireless transmit/receive unit, WTRU, configured to provide a channel quality report in response to the request to provide a channel quality report. The base station is further configured to transmit downlink data to the WTRU using an allocation of resources that is based on the channel quality report, and the WTRU is configured to receive the downlink data using the allocated resources.

