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(54) **CLOSED LOOP POWER CONTROL SCHEME FOR WIRELESS COMMUNICATION SYSTEMS**

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(58) **Field of Search** ..... **455/38.3, 38.1, 455/13.4, 68-69, 571-574, 230, 283, 297-298, 501, 504**

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(57) **ABSTRACT**

In a wireless terminal used in a telecommunications system in which control bits are sent from a base station to a wireless terminal (mobile station) to control the transmitted power of the wireless terminal, a (linear) predictor is used at the wireless terminal to predict the accumulation of the received power control bits received by the mobile station, and use the difference of two successive predictor outputs to adjust the output power of the mobile in a multi-level (or continuous) increments fashion.

**12 Claims, 1 Drawing Sheet**

