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(54) Title: HANDOVER IN A MOBILE COMMUNICATION SYSTEM

(57) Abstract

The invention relates to a handover method in a mobile communication system where the serving base station (BTS1) measures the level and/or quality of the uplink signal of a mobile station (MS). The base station controller (BSC) commands neighbouring base stations (BTS2, BTS3) to measure the level and/or quality of the uplink signal of the mobile station (MS), when the serving base station (BTS1) has measured an uplink signal level and/or quality lower than a predetermined triggering value. The base station controller (BSC) performs a handover to the neighbouring base station (BTS2, BTS3) that has measured the most suitable uplink signal level and/or quality, when the serving base station (BTS1) has measured an uplink signal level and/or quality below a predetermined threshold value for handover.

