

**HANDOFF CONTROL WITH A PILOT USED IN A CELL OF A NEIGHBORING
CELL IN A CDMA MOBILE COMMUNICATION NETWORK ON A SERVICE
FREQUENCY OF THE NEIGHBORING CELL**

ABSTRACT

To expedite handoff control while a mobile unit (11) moves between first and neighboring second cells, A and B frequencies and the B frequency alone are assigned for traffic communication to first (19) and second (21) base stations connected to a control station (17) with the second base station accompanied by a pilot transmitting device (35) for transmitting only a pilot signal on the A frequency. As soon as informed of deterioration in a field intensity of the A frequency at the mobile unit together with pilot information specific to the pilot signal from the first base station, the control station finds that the mobile unit approaches the second base station and deals with handoff from the A frequency to the B frequency.

Fig. 3

This Sheet Has Been Replaced

