

ABSTRACT OF THE DISCLOSURE

In order to reduce the number of measurements of signal strength for implementing a handoff of a mobile unit located in a given land site, a strength of a signal transmitted from said mobile unit is measured at the land site. Further, the land site measures a level crossing rate based on the signal transmitted from the mobile to be handed off. The land site applies a handoff request to a MTSO if the land site detects that the measured signal strength falls below a predetermined handoff threshold. The handoff request includes information indicating the level crossing rate. The MTSO compares the level crossing rate with a predetermined value, and determine a plurality of land sites each of which is to measure the signal strength for implementing a handoff according to the comparison result.

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