

RELAY STATION AND COMMUNICATION CONTROL METHOD

ABSTRACT

5 Provided is a relay station relaying wireless signals between a base station
and a mobile station, the relay station including: a communication unit configured to
relay the wireless signals; a determination unit configured to determine whether or
not it is necessary to change a cell ID of the relay station in order to avoid a collision
between a cell ID of the relay station and a cell ID of the base station due to a
10 movement of the relay station; and a control unit configured to cause a cell ID of an
access point of the mobile station belonging to the relay station to be changed from a
first cell ID of the relay station to a second cell ID of the relay station when the
determination unit determines that it is necessary to change the cell ID.

15 Fig. 7