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(54) Title: DIVERSITY HANDLING MOVEOVER FOR CDMA MOBILE TELECOMMUNICATIONS

## (57) Abstract

In connection with a diversity handling moveover procedure for a cellular system having soft handover, allocation of a replacement diversity handling unit in a target node occurs only after a moveover decision has been made by a source node. Initially, an original or source diversity handling unit at the source node performs connection combining and connection splitting functions for legs of a mobile connection routed through plural base stations serving a mobile station. In accordance with movement of the mobile station, the source node makes the movement decision. The moveover decision can be based on factors such as base station utilization and/or actual and/or predicted directional movement of the mobile station. In some embodiments, the diversity handling moveover procedure involves selection among plural nodes for situs of the replacement or target diversity handling unit.

