ABSTRACT

BEST SERVER SELECTION IN LAYERED CELLULAR RADIO SYSTEM

A multi-level layered cellular radio architecture serves mobile subscriber stations (21) moving within the system. Best server selection is performed for the mobile stations (21) by assigning within each cell (C1-C10) a preference value to each other one of the cells (C1-C10) with which is associated by proximity of service area. The strength of the radio signal received by the mobile station (21) from the serving cell (C1-C10) as well as the radio channels of associated cells (C1-C10) is measured. A decision as to the best serving cell (C1-C10) for the mobile station (21) is made based upon both the preference value of the associated cells (C1-C10) and the signal strength of their respective radio channels.

(Figure 2)

This Sheet Has Been Replaced