

ADAPTIVE RESOURCE ALLOCATION IN A MOBILE
TELEPHONE SYSTEM

ABSTRACT

Transmission quality of an ongoing call in a mobile radiotelephone system is monitored by measuring parameters indicative of transmission quality, evaluating transmission quality according to the measured parameters, repeatedly measuring the aforementioned parameters at intervals, and repeatedly evaluating transmission quality according to the measured parameters at a time interval variable according to the results of the previous evaluation. Effectively, the calls in progress are divided into different classes according to transmission quality with some classes requiring monitoring relatively frequently and other classes requiring monitoring relatively infrequently. Alternatively, the waiting interval according to which a call is monitored may be determined on an individual cell-by-cell basis.

No suitable figure