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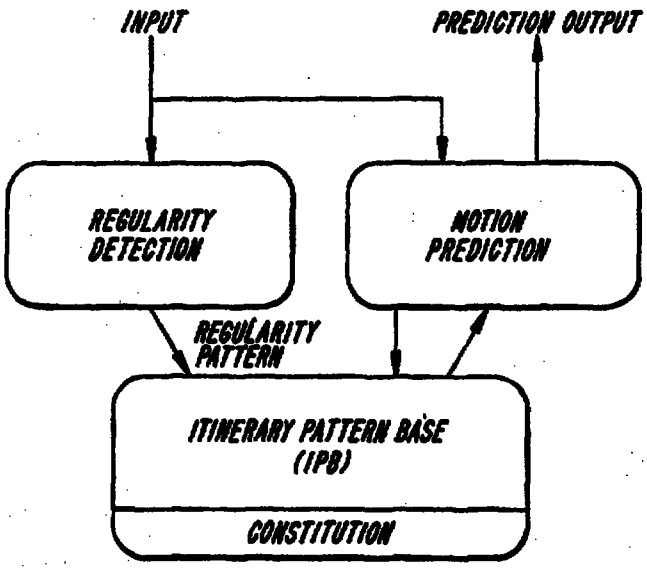
(54) Title: METHOD AND APPARATUS FOR DETECTING AND PREDICTING MOTION OF MOBILE TERMINALS

(57) Abstract

Methods and apparatus for detecting and predicting movement patterns of mobile radio transceivers, such as mobile cellular telephones. One method of predicting a next location of a mobile terminal based includes the step of comparing a current sequence, that includes the current location of the mobile terminal, and a plurality of previous locations of the mobile terminal to each of a plurality of stored sequences that each include previous locations of the mobile terminal. The method also includes the steps of selecting one of the stored sequences based on at least one quantitative measure of a degree of matching between the current sequence and each stored sequence, and predicting the next location of the mobile terminal based on the selected one of the stored sequences. Methods and apparatus for determining regular patterns in movements of a mobile terminal are also described; as well as is a communication network with several servers, wherein a mobile terminal has a device for communicating with the nearest server. The device accesses application and data files stored in the servers. Also described is a mobile distributed system platform having a device for controlling the distributed file system, but also a device for predicting a next location of a mobile terminal, wherein this device distributes location related information among the servers, based on a next location predicted being predicted.