A Method And Apparatus For Determining Location Information Of A Position In A Multi-Storey Building

Abstract

A method and apparatus for determining location information of a position in a multi-storey building, the method comprising: retrieving observation data comprising observed addresses and corresponding observed received signal strengths of wireless access points detected at the position from a memory; retrieving, for each storey of the building, a radio map comprising a plurality of location points in the respective storey of the building from a database; selecting one or more location points comprising the observed addresses from the radio map; determining a storey estimate of the position by calculating a sum probability for each storey of the building; and setting the storey estimate as the storey of the building having highest value of the calculated sum probability.

Figure 1

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