

METHODS AND SYSTEMS FOR PREDICTING JOURNEY TIME

ABSTRACT

Methods and systems for predicting journey time are described. A method of predicting journey time comprises: obtaining a set of initial speed profiles, each initial speed profile of the set of initial speed profiles corresponding to a road portion on an initial map of a geographic area and comprising a set of speed values for the road portion, each speed value corresponding to a time interval; receiving a plurality of global positioning system data sets, each global positioning system data set corresponding to a respective journey made by a respective vehicle in the geographic area and comprising a set of geolocation indications and corresponding time indications; determining speed data from the of geolocation indications and corresponding time indications corresponding to journey segments along respective road portions; updating initial speed profiles of the set of initial speed profiles using the speed data to determine a set of current speed profiles; training a journey model using at least the set of current speed profiles; and determining a predicted journey time for a journey using the journey model.

[FIG.4 to be printed with Abstract]