

Abstract

Embodiments of the invention provide an accident avoidance method and system implementable in a portable device to reduce or avoid potential accidents between a portable device user and other objects in the environment. The accident avoidance method comprises: using a camera on a portable device utilised by a user, capturing a street view image at every predetermined time interval; identifying an object of interest based on the street view image; based on the street view image, ascertaining at least one relative position parameter of the object of interest with respect to the user; predicting a potential accident based on a breach of a predetermined danger threshold by the at least one relative position parameter; and notifying the user of the predicted potential accident. The accident avoidance system includes a user status analysing module, an object recognition module, an accident prediction module and a notification module.

(Fig. 2)