

ABSTRACT

TOUCH RECOGNITION METHOD AND DEVICE HAVING LIDAR SENSOR

5 The present disclosure relates to a touch recognition method and device having a
lidar sensor, and an objective of the present disclosure is to recognize a touch and
determine the motion of a touch by using the lidar sensor. In order to accomplish the
objective, the present disclosure comprises the steps of: (a) extracting, on the basis of
sensing information about at least one object sensed through a lidar sensor, coordinates
10 of the object; (b) performing clustering on the coordinates of the object extracted from a
first frame so as to calculate a first touch object of the first frame and first coordinates of
the first touch object; (c) determining the state of the first touch object by using the first
touch object and the first coordinates; (d) converting the first coordinates to real
coordinates so as to determine whether the first coordinates are located in a preset
15 effective area; and (e) displaying the first touch object at the real coordinates if it is
determined that the first touch object is located in the effective area.

Figure 2