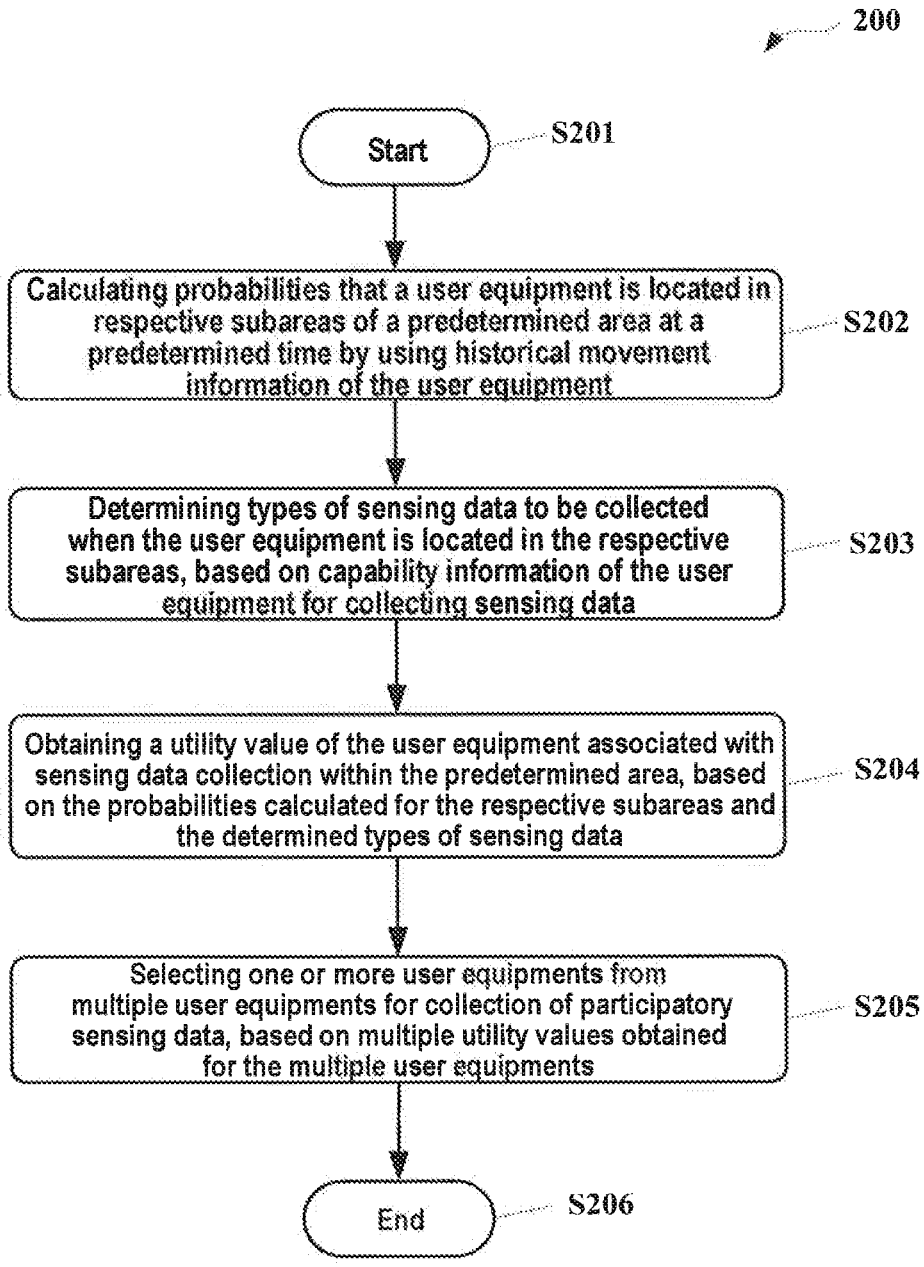
200
Start
S201
Calculating probabilities that a user equipment is located in respective subareas of a predetermined area at a predetermined time by using historical movement information of the user equipment
S202
Determining types of sensing data to be collected when the user equipment is located in the respective subareas, based on capability information of the user equipment for collecting sensing data
S203
Obtaining a utility value of the user equipment associated with sensing data collection within the predetermined area, based on the probabilities calculated for the respective subareas and the determined types of sensing data
S204
Selecting one or more user equipments from multiple user equipments for collection of participatory sensing data, based on multiple utility values obtained for the multiple user equipments
S205
End
S206

Fig. 2