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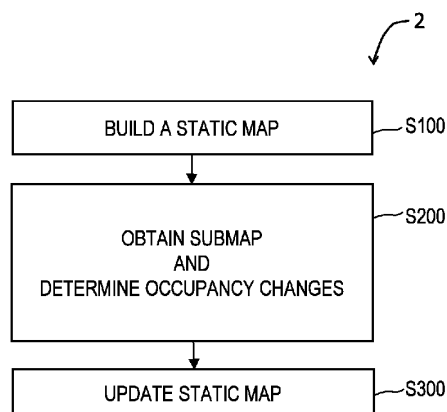
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(54) Title: A METHOD AND A SYSTEM FOR UPDATING A STATIC MAP OF AN ENVIRONMENT



[Fig. 1A]

(57) Abstract: A method for updating a static map of an environment is disclosed. The static map includes a plurality of cells. Each cell of the static map has a respective occupancy status. The method includes obtaining a submap of an area in the environment. The submap is smaller in size than the static map. The submap includes a plurality of cells. Each cell of the submap has a respective occupancy status. The method further includes determining cells of the static map corresponding to the cells of the submap whose occupancy status has changed; and updating occupancy status of the cells of the static map with the occupancy status of the cells of the submap based either on a number of or a percentage of cells of the static map whose occupancy status has changed. A system that performs the method is also disclosed.

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