

MARKER-COMBINED SIMULTANEOUS LOCALIZATION AND MAPPING NAVIGATION METHOD, DEVICE AND SYSTEM

ABSTRACT

Provided are a marker-combined simultaneous localization and mapping navigation method, device and system. The method includes: providing an initialization area for a located object, where at least one of the initialization area for a located object, a travelling path of a located object, and a docking device of the located object is provided with an marker including at least one of pose information, identification information and non-identification graphic information; controlling the located object to perform at least one of following operations: starting from the initialization area for a located object, and based on the marker, determining an initial pose of the located object; when the marker is passed on the travelling path, updating a current pose of the located object based on the marker; and when docking with the docking device, adjusting a relative pose between the located object and the docking device based on the marker.

FIG. 1