AUTONOMOUS MOBILE ROBOT AND OPERATING METHOD THEREOF

ABSTRACT OF THE DISCLOSURE

An autonomous mobile robot and an operating method thereof are provided. The autonomous mobile robot includes a movement module, a detection module, a control module and an interaction module. The control module includes a determination unit and a navigation unit. The determination unit determines whether there is an obstacle near or on a predetermined path of the autonomous mobile robot according to the environment information. When the obstacle is on the predetermined path, the navigation unit decides an obstacle avoidance strategy according to the environment information and the type of the obstacle. The obstacle avoidance strategy at least includes moving along a side path, stopping aside to yield, moving backward and stopping at a yielding point to yield, and detouring. When the obstacle is near or on the predetermined path, the interaction module performs an interaction action according to the obstacle avoidance strategy and the type of the obstacle.

Fig. 1