ABSTRACT

The present disclosure provides an automatic guided vehicle, a warehousing system, a navigation and positioning method for an automatic guided vehicle, and a computer-readable storage medium. The automatic guided vehicle is controlled by a control module and moves in a preset moving space. At least one positioning unit located at a target position is fixedly arranged in the moving space. The positioning unit includes a magnetic member. The automatic guided vehicle includes a driving unit and a magnetic sensing unit. The driving unit communicates with the control module and is controlled by the control module to drive the automatic guided vehicle to move. The magnetic sensing unit is fixedly arranged on the automatic guided vehicle, communicates with the control module, and can acquire magnetic field strength data. When the automatic guided vehicle approaches the target position, the control module controls the driving unit to drive the automatic guided vehicle to move to the target position according to the magnetic field strength data acquired by the magnetic sensing unit. The automatic guided vehicle in this embodiment is conducive to reducing the maintenance cost of the warehousing system, reducing environmental impact, expanding the scope of application, and can achieve accurate positioning in conjunction with the positioning unit.

(FIG. 1)