ABSTRACT

AN UNDERWATER INTELLIGENT CLEANING ROBOT AND A SYSTEM THEREOF

The present invention discloses an underwater intelligent cleaning robot comprising a frame, a buoyant device installed in the middle of the frame, a plurality of main thruster motors installed at the corners of the frame, a plurality of vertical thruster motors arranged on a top of the frame through a rotatable mechanism, a drive device installed at a bottom of the frame through a mounting base, a cleaning brush disk installed on an output shaft of the drive device, an acoustic speedometer and an inertial navigator positioned in a front portion of the frame; and a main control module installed on the frame, wherein the acoustic speedometer and the inertial navigator are electrically connected with the main control module, and the main control module is electrically connected with the plurality of main thruster motors, the plurality of vertical thruster motors and the drive device.

Figure 1