

ABSTRACT

A wall-climbing cleaning robot, comprising a frame (1), a first driving mechanism (2), a second driving mechanism (3), a first magnetic adsorption mechanism (4), and a cleaning mechanism (5). The first driving mechanism (2) is connected to the frame (1) and is provided with a first driving wheel (21); the second driving mechanism (3) is connected to the frame (1) and is provided with a second driving wheel (31) arranged opposite to the first driving wheel (21); the first magnetic adsorption mechanism (4) is located between the first driving wheel (21) and the second driving wheel (31) and is provided with a first magnetic adsorption structure (41), and the distance between the first magnetic adsorption structure and a prepared cleaning wall can be adjusted; and the cleaning mechanism (5) is located in front of the frame (1) and is rotatably connected to the frame (1). The wall-climbing cleaning robot can achieve transition between a plurality of wall surfaces of a ship, and the adaptability of the cleaning mechanism is enhanced.

(To be published with FIG. 1)