

PIPE CLIMBING ROBOT

ABSTRACT

5 A pipe climbing robot including a veering mechanism is disclosed. A control box (5) is arranged
at a top of the veering mechanism. The veering mechanism is powered by a single motor. Each of a
plurality of driving units is connected with the veering mechanism at each of four corners of a bottom
of the veering mechanism. Each of the plurality of driving units includes two driving wheels (1). A
lower part of each of the plurality of driving units is connected with an adsorption apparatus (2)
10 through an adjusting mechanism. The adsorption apparatus (2) has an adjustable adsorption force.
Each of the plurality of driving units is connected with the veering mechanism through a curvature
self-adaptive mechanism (6).

(To be published with Fig. 1)