# TITLE OF INVENTION: STACKER

## ABSTRACT

A stacker includes a traveling device, a lifting device and a control device. The traveling device includes a traveling box, a friction transmission mechanism mounted in the traveling box, and a horizontal positioning assembly. The friction transmission mechanism includes a friction drive wheel and a traveling power mechanism. The lifting device includes a lifting frame mounted at the top of the traveling box, a robotic arm carrier assembly mounted on the lifting frame, a lifting transmission assembly, a lifting power mechanism, and a vertical positioning assembly. The control device is configured to control the traveling power mechanism to drive the traveling device to travel to a target traveling position, and to control the lifting power mechanism to drive the robotic arm carrier assembly to be lifted to a target lifting position. The stacker can realize accurate positioning in a traveling direction and a lifting direction.

FIG. 1