

**TITLE OF INVENTION: SEMICONDUCTOR STACKER, ROBOTIC ARM OF
SEMICONDUCTOR STACKER, AND METHOD FOR OPERATION ROBOTIC ARM**

ABSTRACT

The present disclosure provides a semiconductor stacker, a robotic arm of the semiconductor stacker, and a method for operating the robotic arm, which relate to the technical field of semiconductor stereoscopic warehouse. The robotic arm includes a robotic arm bottom plate, a driving arm assembly, and an access plate that are sequentially rotatably connected. The driving arm assembly includes a first driving arm and a second driving arm, where the first driving arm is rotatably mounted on the robotic arm bottom plate through a first active driving mechanism. The first driving arm is provided with a second active driving mechanism for driving the second driving arm, and the second driving arm can drive the relative rotation of the access plate through the driven linkage mechanism. The first active driving mechanism is placed outside the first driving arm, and the robotic arm bottom plate and the first active driving mechanism are disposed inside the lifting box. Through the layout of the driving mechanism and the design of the driven linkage mechanism, the compactness of the height and size of the robotic arm can be ensured, and the accessible position is lower. By designing special core-alignment tooling, the convenience of assembly and maintenance of the robotic arm can be improved.

FIG. 2