

HOLDING MECHANISM INCLUDING BERNOULLI PAD

ABSTRACT

A holding mechanism includes a Bernoulli pad that holds a plate-shaped body, a hand on which the Bernoulli pad is disposed, a sensor that is disposed on the hand and detects that the plate-shaped body is held under suction by the Bernoulli pad, a lateral movement restriction section disposed on the hand, a tube that connects an air source supplying air to the Bernoulli pad and the Bernoulli pad, an adjustment valve that is disposed in the tube and adjusts a flow rate of air supplied to the Bernoulli pad, and a control section that controls operation of the adjustment valve. The control section gradually increases the flow rate of the air supplied from the adjustment valve to the Bernoulli pad and, when it is detected by the sensor that the plate-shaped body has been held under suction by the Bernoulli pad.

[Fig 1]