

Abstract

An automatic displacement device for use in a carrier includes at least one weight mount, at least one actuator, and at least one stability regulator. The weight mount can hold at least one heavy object accommodated in the carrier' body. The
5 actuator is coupled to the weight mount. The stability regulator is electrically communicated to the actuator and includes a sensor and a controller. The sensor can measure a state associated with an angle of the carrier's body and output a signal representative of the state. The controller calculates a tilt of the carrier according to the signal outputted from the sensor and is capable of commanding the actuator to
10 move the weight mount in view of the tilt to perform a compensation on the carrier.

(FIG. 2)