

CEILING BOARD INSTALLATION ROBOT

ABSTRACT

A ceiling board the installation robot 100 for placing a ceiling board 8 onto a frame body 6 supported by a ceiling slab 1 is provided with: a base carriage unit 10 configured to be movable on a floor surface 2; a lifting and lowering part 21 mounted on the base carriage unit 10; an arm part 30 configured to extend from the lifting and lowering part 21 towards the frame body 6; a holding part 40 provided on a tip end side of the arm part 30, the holding part 40 being configured to hold the ceiling board 8; state detectors 51 and 52 configured to detect a frame body state related to a shape of the frame body 6; and a controller 50 configured to control an operation of the arm part 30, wherein the controller 50 controls the operation of the arm part 30 on the basis of the frame body state such that the ceiling board 8 held by the holding part 40 is placed on the frame body 6 by being lowered down from above the frame body 6.

FIG. 1