

ABSTRACT

Introduced are an object inspection system and method using a mobile robot, comprising: a mobile robot which moves in a plurality of work areas; and a controller which, on the basis of an inspection schedule for the plurality of work areas, moves the mobile robot to a first work area among the plurality of work areas so as to perform an inspection for the first work area, determines the state of a second work area before the mobile robot reaches the second work area which corresponds to the work area following the first work area according to the inspection schedule, and if the determined state of the second work area does not satisfy a preset condition, adjusts the inspection schedule and reconfigures a moving path of the mobile robot on the basis of the adjusted inspection schedule.

FIG. 1