

SYSTEM FOR SPRAYING A WALL SURFACE OF A BUILDING AND
METHOD THEREFOR

Abstract

5 The present invention provides an automated system for spraying an wall
of a building. The automated system comprises a linear track; a robotic
mechanism slidably mounted on the linear track, the robotic mechanism further
having an end effector adapted to support a spray nozzle thereon, wherein the
linear track is disposed horizontally with respect to the height of the building; a
10 visual monitoring system configured to scan structural characteristics and profiles
of the wall; computing device disposed in communication with the visual
monitoring system and the robotic mechanism, wherein the computing device is
configured to receive the scanned structural characteristics and profile of the wall
from the visual monitoring system; and a controller communicably coupled to the
15 computing device, the controller configured to independently control operation of
respective ones of the robotic mechanism, and the spray nozzle according to the
scanned structural characteristics and profiles of the wall.

FIG. 7