

Abstract

HIGH-POLE LAMP POST ROBOT

5 Disclosed is a high mast lamp post robot, comprising an annular body (10), a plurality of arm-type driving wheel mechanisms (20), a plurality of monitoring modules (30), and a control system (40). The plurality of arm-type driving wheel mechanisms are fixed to the annular body and extend downwards from the annular body, with one end of the arm-type driving wheel mechanisms being connected to an outer side of the annular body at equal intervals, and the other
10 ends thereof being provided with a driving wheel (210, 220) and abutting against a surface of a pole of a high mast lamp post. The plurality of monitoring modules are connected to the annular body at equal intervals. With the above-mentioned structure, the high mast lamp post robot can vertically move on the high-pole lamp post by means of the arm-type driving wheel mechanisms, and then detects the high mast lamp post by means of the monitoring modules, so as to detect
15 every detail on the surface more accurately at close range, in addition to reducing the cost and risk associated with manual maintenance.

(FIG. 4)