

ABSTRACT

The invention relates to a mains power supply equipment for rubber-tired port container gantry cranes comprising a trolley line connected to a power supply network and a power system of the rubber-tired gantry crane, wherein the trolley line is erected fixedly and high in the air above the rubber-tired gantry crane, the position of the trolley line is higher than that of the container lorry, and on the trolley line is mounted movably a trolley shoe contacted electrically with the trolley line, and connected with the power system of the rubber-tired gantry crane through a wire. With such a mains power supply equipment for rubber-tired port container gantry cranes according to the present invention, the rubber-tired gantry crane can be powered by the power supply network to handle containers; the cart of the rubber-tired container gantry crane is not required specially to move straightly; it is very convenient to erect on the clearance or the open space beside the port container storage yard, and has no special requirements to the site; it also facilitates the rubber-tired gantry crane greatly in transferring to another working lane; and it is economical and practical, has a simple structure and a relatively low cost, is convenient to construct, flexible and convenient to operate, safe and reliable, has an extensive application scope, improves the equipment in energy saving, consumption reduction and pollution reduction.