Title (en)

RUBBER-TIRE GANTRY CRANE WITH SHORE POWER

Title (de)

PORTAL MIT GUMMIREIFEN MIT LANDSTROM

Title (fr)

GRUE A PORTIQUE SUR PNEUMATIQUE EN CAOUTCHOUC AVEC PRISE D'ALIMENTATION DE COURANT AUX QUAIS

Publication

EP 2170756 A1 20100407 (EN)

Application

EP 08768768 A 20080624

Priority

- US 2008007891 W 20080624
- US 93725307 P 20070625
- US 98632607 A 20071120

Abstract (en)

[origin: WO2009002509A1] An apparatus for coupling power from shore power to a rubber tire gantry (RTG) crane comprises a power junction trolley and optionally an RTG crane. The power junction trolley receives power through a high voltage cable or alternatively through an inductive power coupling and alternatively outputs a low AC or a low DC voltage through a flexible power cable for connection to an RTG crane. A guiding apparatus directs the power junction trolley along a selected path so as to reduce a control accuracy requirement for the RTG crane. The RTG crane may move from a selected path to another selected path without interrupting a high voltage connection. The power junction trolley optionally determines its position relative to a selected path comprising a guide rail in some embodiments and a guide wire in others. Embodiments of the power junction trolley are alternately self-propelled or towed by the RTG crane.

IPC 8 full level

B66C 19/00 (2006.01)

CPC (source: EP US)

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Citation (search report)

See references of WO 2009002509A1

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DOCDB simple family (publication)

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