

Title (en)

Jacking-up and turning device for rubber-tyred container gantry crane

Title (de)

Vorrichtung zum Anheben und Drehen für gummibereifte Brückenkräne

Title (fr)

Dispositif de soutien et de rotation pour portique pour conteneur à pneus

Publication

EP 1873112 A1 20080102 (EN)

Application

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Priority

CN 200610028352 A 20060629

Abstract (en)

The present invention provides a jacking-up and turning device for a rubber-tyred container gantry crane, comprising two identical sets of hydraulic systems and two sets of control systems, each of the said hydraulic system comprises two identical sets of turning and positioning assemblies (10), each turning and positioning assembly comprising a jacking-up hydrocylinder (17), a positioning hydrocylinder (18), a turning hydrocylinder (15) and a lockpin hydrocylinder (16), wherein the jacking-up hydrocylinder is disposed between the pair of wheels (1112,1113) under the balance beam (111), the positioning hydrocylinder, the turning hydrocylinder and the lockpin hydrocylinder are disposed under the balance beam, and each control system is provided with a manual electric cabinet, on the panel of which manual switch buttons are provided for each sub-action of the turning of the gantry, to control the operation, stop and reset of each hydrocylinder. In turning, the entire rubber-tyred container gantry crane is lifted up by the jacking-up hydrocylinders, thus the tyre of the gantry can be turned undampedly, thereby greatly extending the useful life of the tyre and reducing the operational cost of the terminals.

IPC 8 full level

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Cited by

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