

Title (en)

Ship to shore crane installation with offset cranes

Title (de)

Krananlage zum Be- und Entladen eines Schiffes mit versetzten Kränen

Title (fr)

Installation de grue de quai dotée de grues décalées

Publication

EP 2540654 B1 20150311 (EN)

Application

EP 11172150 A 20110630

Priority

EP 11172150 A 20110630

Abstract (en)

[origin: EP2540654A1] A ship to shore crane installation comprises a quay (2) defining a longitudinal and a transverse direction, and at least two ship to shore cranes (1) which are displaceable along said quay according to said longitudinal direction. The ship to shore cranes have a gantry structure (6) and a girder (7) supported by the gantry structure. The girder (7) of each ship to shore crane (1) is arranged according to said transverse direction. A trolley (8) is moveable along the girder (7) for transferring a container (5). The gantry structures (6) of directly adjacent ship to shore cranes (1) are offset with respect to each other in the transverse direction so as to enable simultaneous access to directly adjacent container bays of a container ship.

IPC 8 full level

B66C 19/00 (2006.01)

CPC (source: EP)

B66C 19/002 (2013.01)

Citation (opposition)

Opponent : APM Terminals Management B.V.

- US 7370768 B2 20080513 - CHATTEY NIGEL [US]
- DE 10033141 A1 20020124 - NOELL CRANE SYS GMBH [DE]
- GB 1437588 A 19760526 - KRUPP GMBH
- KR 20030017070 A 20030303 - KIM KYOUNG HAN [KR]
- US 2006104748 A1 20060518 - JEONG GONG-II [KR]
- EP 0790955 B1 19990728 - FANTUZZI REGGIANE SPA [IT]

Cited by

JP2012201478A; US9617124B2; EP2785631B1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

EP 2540654 A1 20130102; EP 2540654 B1 20150311; AR 087023 A1 20140205; ES 2539013 T3 20150625; PT 2540654 E 20150520; WO 2013002640 A1 20130103

DOCDB simple family (application)

EP 11172150 A 20110630; AR P120102384 A 20120629; ES 11172150 T 20110630; NL 2012050458 W 20120629; PT 11172150 T 20110630