

Title (en)
BRIDGE CRANE OR GANTRY CRANE COMPRISING A REVOLVING ARRANGEMENT AND LIFTING FRAMES SUSPENDED THEREUNDER

Title (de)
BRÜCKEN -ODER PORTALKRAN MIT EINER DREHANORDNUNG UND DARUNTER AUFGEHÄNGTEN HUBBRAHMEN

Title (fr)
PONT ROULANT OU GRUE À PORTIQUE POURVUE D'UN SYSTÈME DE ROTATION ET D'UN CHÂSSIS DE LEVAGE SUSPENDU SOUS LEDIT SYSTÈME DE ROTATION

Publication
EP 2356057 B1 20121031 (DE)

Application
EP 09763944 A 20091130

Priority
• EP 2009066088 W 20091130
• DE 102008061199 A 20081209

Abstract (en)
[origin: WO2010066604A1] The invention relates to a bridge crane or gantry crane for transferring standard cargo holders, especially ISO containers in port zones, comprising a crab which can be moved along a crane carrier in the direction of travel of the crab and on which a rigid mast is guided that extends in a raising and lowering direction. Said mast can be moved in the raising and lowering direction using at least one lifting gear and cables, said lifting gear being disposed on the crab. A load accepting means for standard cargo holders is fastened to the lower end of the mast. The mast (14) is suspended on the crab (13) so as to be rotatable about a rotational axis (D) extending in the longitudinal direction of the mast (14). A lifting frame (22) which supports the at least one lifting gear (23) is suspended on the crab (13) by means of a revolving arrangement (16) that essentially consists of a revolving tube (16a) having an upper end (16c) and a lower end (16d). The upper end (16c) of the revolving tube (16a) rests against the crab (13) using a revolving joint (16b), while the lifting frame (22) is mounted on the lower end (16d) of the revolving tube (16a). The mast (14) is guided such that the same can be raised and lowered within the revolving tube (16a), coaxially thereto.

IPC 8 full level
B66C 13/08 (2006.01); **B66C 19/00** (2006.01)

CPC (source: EP US)
B66C 13/08 (2013.01 - EP US); **B66C 19/002** (2013.01 - EP US)

Designated contracting state (EPC)
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 SE SI SK SM TR

DOCDB simple family (publication)
WO 2010066604 A1 20100617; DE 102008061199 B3 20100805; DK 2356057 T3 20130128; EP 2356057 A1 20110817; EP 2356057 B1 20121031; ES 2398059 T3 20130313; JP 2012503581 A 20120209; JP 5588446 B2 20140910; KR 101275401 B1 20130614; KR 20110044175 A 20110428; PL 2356057 T3 20130329; PT 2356057 E 20130131; US 2011240584 A1 20111006; US 8800791 B2 20140812

DOCDB simple family (application)
EP 2009066088 W 20091130; DE 102008061199 A 20081209; DK 09763944 T 20091130; EP 09763944 A 20091130; EP 09763944 T 20091130; JP 2011528371 A 20091130; KR 20107029280 A 20091130; PL 09763944 T 20091130; PT 09763944 T 20091130; US 200913133532 A 20091130