

Title (en)

Ship to shore crane installation with main support girder

Title (de)

Kran zum Be- und Entladen eines Schiffes mit Haupttragbalken

Title (fr)

Installation de grue de quai dotée d'une poutre de support principal

Publication

**EP 2540655 A1 20130102 (EN)**

Application

**EP 11172158 A 20110630**

Priority

EP 11172158 A 20110630

Abstract (en)

A ship to shore crane installation, in particular for handling containers (6), comprises crane support structure (1) having parallel and interconnected support beams (10-12) and columns (9) carrying the support beams (10-12) at an elevated level above a surface (3). At least one crane (2) is provided which travels along, and is supported by, the support beams (10-14) of the crane support structure (1). The crane (2) has a cantilever boom structure (15) extending transverse with respect to and beneath the support beams (10-12) of the crane support structure (1) and lifting means (30) travelling back and forth on the boom structure (15). The boom structure (15) comprises a bridge girder (18) and a boom girder (19). The support beams (10-12) of the crane support structure (1) are directly interconnected by truss members (13, 14) forming a water side support girder (8), and the cantilever boom structure (15) extends beneath said support girder (8) including support beams (10-12) and truss members (13, 14).

IPC 8 full level

**B66C 19/00** (2006.01)

CPC (source: EP)

**B66C 19/002** (2013.01)

Citation (applicant)

EP 1923338 A1 20080521 - APM TERMINALS B V [NL]

Citation (search report)

- [AD] EP 1923338 A1 20080521 - APM TERMINALS B V [NL]
- [A] JP H05338991 A 19931221 - MITSUBISHI HEAVY IND LTD, et al
- [A] US 5951226 A 19990914 - FANTUZZI LUCIANO [IT]

Cited by

CN113148835A; CN113602826A

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**EP 2540655 A1 20130102**; AR 087024 A1 20140205; WO 2013002641 A1 20130103

DOCDB simple family (application)

**EP 11172158 A 20110630**; AR P120102385 A 20120629; NL 2012050459 W 20120629