

Title (en)

A SYSTEM AND METHOD FOR ALIGNMENT OF A TERMINAL TRUCK RELATIVE TO A CRANE

Title (de)

SYSTEM UND VERFAHREN ZUR AUSRICHTUNG EINES TERMINAL-LKWS IN BEZUG AUF EINEN KRAN

Title (fr)

SYSTÈME ET PROCÉDÉ D'ALIGNEMENT D'UN CAMION TERMINAL PAR RAPPORT À UNE GRUE

Publication

EP 3663250 A1 20200610 (EN)

Application

EP 18209868 A 20181203

Priority

EP 18209868 A 20181203

Abstract (en)

A system (115, 118; 125, 128; 135, 138; 200) enabling alignment of a terminal truck (110; 120; 130) relative to a gantry crane (101-108, 150, 151) comprises:- a position determination unit (211, 212) that determines the position of the tractor (111; 121; 131) relative to the crane (101-108, 150, 151);- a receiver (221, 222) that receives container information indicative for the size of a container (113; 123, 124; 133) carried by the terminal truck (110; 120; 130);- a distance measurement unit (213, 214) that measures the distance (117; 127; 137) between the tractor (111; 121; 131) and the container (113; 123, 124; 133) based on reflective technology; and- a computing unit (223) that generates driving instructions from the tractor position, the container information, and the tractor-container distance, enabling to position the container (113; 123, 124; 133) in a predetermined aligned position relative to the crane (101-108, 150, 151).

IPC 8 full level

B66C 13/46 (2006.01); **B66C 19/00** (2006.01)

CPC (source: EP)

B66C 13/46 (2013.01); **B66C 19/002** (2013.01)

Citation (applicant)

- WO 2018087141 A1 20180517 - KONECRANES GLOBAL CORP [FI]
- US 2013147640 A1 20130613 - STOCKER DAVID G [US]

Citation (search report)

- [AD] US 2013147640 A1 20130613 - STOCKER DAVID G [US]
- [A] WO 0234663 A1 20020502 - ABB AB [SE], et al
- [AD] WO 2018087141 A1 20180517 - KONECRANES GLOBAL CORP [FI]

Cited by

CN113443387A

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

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