

Title (en)

Method and device for attachment and detachment of an additional device to/from the main boom of a mobile crane

Title (de)

Verfahren und Einrichtung zum An- und Abbau einer Zusatzeinrichtung am Hauptausleger eines Mobilkrans

Title (fr)

Procédé et dispositif destinés au montage et au démontage d'un dispositif supplémentaire sur la flèche principale d'une grue mobile

Publication

EP 2223882 A3 20101124 (DE)

Application

EP 10075034 A 20100121

Priority

DE 102009010452 A 20090226

Abstract (en)

[origin: EP2223882A2] The method involves placing an additional device on ground in alignment with a main jib of a mobile crane and holding a raised partial piece in an inclined position. The additional device is pulled into a horizontal position using a hoist cable fastened to an end of a partial piece facing away from the mobile crane and guided over a roller such that the partial piece of the additional device and the main jib of the mobile crane are aligned behind one another in orientation. The preassembled additional device is connected to a head of the main jib. Independent claims are also included for the following: (1) an additional device for attachment to a main jib of a mobile crane (2) a displacement device for displacing an additional device transverse to a longitudinal axis.

IPC 8 full level

B66C 23/18 (2006.01); **B66C 23/42** (2006.01); **B66C 23/66** (2006.01); **B66C 23/70** (2006.01)

CPC (source: EP US)

B66C 23/18 (2013.01 - EP US); **B66C 23/42** (2013.01 - EP US); **B66C 23/66** (2013.01 - EP US); **B66C 23/702** (2013.01 - EP US); **Y10T 29/49963** (2015.01 - US)

Citation (search report)

- [A] DE 102005049606 A1 20070419 - LIEBHERR WERK EHINGEN [DE]
- [A] DE 202008003734 U1 20080731 - TEREX DEMAG GMBH & CO KG [DE]
- [AP] EP 2055665 A1 20090506 - LIEBHERR WERK EHINGEN [DE]
- [A] US 3968884 A 19760713 - JOHNSON JAMES N, et al
- [A] JP H0958976 A 19970304 - SUMITOMO CONSTR MACH
- [A] JP H10291775 A 19981104 - TADANO LTD
- [AP] FR 2922875 A1 20090501 - LIEBHERR WERK EHINGEN [DE]

Cited by

EP2522618A1; CN102774756A; US9102506B2

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

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

EP 2223882 A2 20100901; **EP 2223882 A3 20101124**; **EP 2223882 B1 20120725**; CN 101817479 A 20100901; CN 101817479 B 20150916; DE 102009010452 A1 20100902; US 2010213152 A1 20100826; US 8739987 B2 20140603

DOCDB simple family (application)

EP 10075034 A 20100121; CN 201010125859 A 20100225; DE 102009010452 A 20090226; US 71244710 A 20100225