

Title (en)
REMOTELY OPERATED CRANE

Title (de)
FERNGESTEUERTER KRAN

Title (fr)
GRUE COMMANDÉE À DISTANCE

Publication
EP 2984022 A1 20160217 (DE)

Application
EP 14711158 A 20140318

Priority
• DE 102013006258 A 20130411
• EP 2014000732 W 20140318

Abstract (en)
[origin: WO2014166580A1] The present invention relates to a crane [1] having a load hook [12] that can be raised and lowered and can be moved in a crane working area by movable crane elements [2, 3, 4] and by operating drive devices assigned to said crane elements, and having a control device [5] with input means for controlling the drive devices. According to the invention, the crane [1] uses to this end a mobile, portable, target signal transmitter [8], which can be variably positioned in the crane working area, and also position determining means [11] for automatically determining the current position of the target signal transmitter [8] relative to the load hook [12] and/or a crane element [2, 3, 4], and target control means for automatically controlling the drive devices as a function of a signal from the position determining means [11] in such a manner that the load hook [12] is automatically moved to the mobile target signal transmitter [8].

IPC 8 full level
B66C 13/40 (2006.01); **B66C 13/16** (2006.01); **B66C 13/46** (2006.01); **B66C 23/16** (2006.01)

CPC (source: EP US)
B66C 13/40 (2013.01 - EP US); **B66C 13/46** (2013.01 - EP US); **B66C 23/16** (2013.01 - US); **B66C 13/44** (2013.01 - US);
B66C 13/48 (2013.01 - US); **B66C 2700/082** (2013.01 - US); **B66C 2700/088** (2013.01 - US)

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)
DE 102013006258 A1 20141016; CN 105143088 A 20151209; CN 105143088 B 20170922; EP 2984022 A1 20160217;
EP 2984022 B1 20170503; ES 2636364 T3 20171005; US 10662033 B2 20200526; US 2016031683 A1 20160204; US 2018229978 A1 20180816;
US 9969600 B2 20180515; WO 2014166580 A1 20141016

DOCDB simple family (application)
DE 102013006258 A 20130411; CN 201480020739 A 20140318; EP 14711158 A 20140318; EP 2014000732 W 20140318;
ES 14711158 T 20140318; US 201514880636 A 20151012; US 201815952663 A 20180413