

Title (en)

MEASURING THE JIB LENGTH OF A CRANE USING TRANSIT TIME MEASUREMENT

Title (de)

MESSUNG DER AUSLEGERLÄNGE EINES KRANES MITTELS LAUFZEITMESSUNG

Title (fr)

MESURE DE LA LONGUEUR DE LA FLÈCHE D'UNE GRUE PAR MESURE D'UN TEMPS DE PROPAGATION

Publication

**EP 2852548 A1 20150401 (DE)**

Application

**EP 13722365 A 20130506**

Priority

- DE 102012208635 A 20120523
- EP 2013059381 W 20130506

Abstract (en)

[origin: WO2013174642A1] Method for determining the overall length (GL) of a jib (1, 4) of a crane in a wear-free manner, characterized in that a signal is coupled in at a first point (2, 5) of the jib (1, 4) and is coupled out at a second point (3, 6) of the jib (1, 4), the overall length (GL) being determined from the time required for the signal to go from the first point (2, 5) to the second point (3, 6).

IPC 8 full level

**B66C 13/46** (2006.01); **B66C 23/90** (2006.01); **G01B 21/16** (2006.01); **G01S 13/88** (2006.01)

CPC (source: CN EP US)

**B66C 13/46** (2013.01 - CN EP US); **B66C 23/905** (2013.01 - CN EP US); **G01B 21/02** (2013.01 - CN EP US); **G01S 13/84** (2013.01 - US)

Citation (search report)

See references of WO 2013174642A1

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 102012208635 A1 20131128**; CN 104302570 A 20150121; EP 2852548 A1 20150401; IN 9049DEN2014 A 20150522; JP 2015520713 A 20150723; RU 2014151635 A 20160720; US 2015077283 A1 20150319; US 9856119 B2 20180102; WO 2013174642 A1 20131128

DOCDB simple family (application)

**DE 102012208635 A 20120523**; CN 201380025706 A 20130506; EP 13722365 A 20130506; EP 2013059381 W 20130506; IN 9049DEN2014 A 20141029; JP 2015513077 A 20130506; RU 2014151635 A 20130506; US 201314386824 A 20130506