

Title (en)  
Crane

Title (de)  
Kran

Title (fr)  
Grue

Publication  
**EP 2455322 A1 20120523 (DE)**

Application  
**EP 11009038 A 20111114**

Priority  
DE 202010015616 U 20101118

Abstract (en)  
The crane has a load hook (20) fastened indirectly/directly at a crane hoist rope (50). A frame is suspended at the load hook for receiving a special load i.e. rotor blade (101), of a wind turbine (100). Control elements e.g. control ropes (40), of the frame suspended at the load hook are guided along a guide rope area (50a) of the rope. The guide rope area is formed by returning the hoist rope by a pulley block (23) via a guide roller (14) in a direction as a boom longitudinal axis to a lower anchorage point at the crane. The guide roller is mounted at a variable height at a crane boom. The control elements are spindles and/or cylinders and/or telescopic seaweeds and/or kink steering wheels.

Abstract (de)  
Die vorliegende Erfindung betrifft einen Kran mit einem mittelbar/unmittelbar am Kranhubseil befestigten Lasthaken und einem am Lasthaken angehängten Rahmen zur Aufnahme einer speziellen Last, insbesondere zur Aufnahme eines Rotorblattes einer Windkraftanlage, wobei das oder die Steuerelemente eines am Lasthaken angehängten Rahmens entlang eines Führungsseilbereichs des Kranhubseils geführt ist/sind.

IPC 8 full level  
**B66C 13/06** (2006.01); **B66C 13/08** (2006.01)

CPC (source: EP US)  
**B66C 1/108** (2013.01 - EP); **B66C 13/08** (2013.01 - EP US)

Citation (applicant)  
DE 202006015189 U1 20080214 - LIEBHERR WERK EHINGEN [DE]

Citation (search report)  
• [AD] DE 202006015189 U1 20080214 - LIEBHERR WERK EHINGEN [DE]  
• [A] FR 2926805 A1 20090731 - SAIPEM S A SA [FR]  
• [AP] DE 202010003269 U1 20110823 - LIEBHERR WERK EHINGEN [DE]

Cited by  
CN104961043A

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 202010015616 U1 20120301**; CN 102530724 A 20120704; CN 102530724 B 20160803; DK 2455322 T3 20130819; EP 2455322 A1 20120523; EP 2455322 B1 20130605; US 2012125875 A1 20120524; US 8678208 B2 20140325

DOCDB simple family (application)  
**DE 202010015616 U 20101118**; CN 201110376521 A 20111118; DK 11009038 T 20111114; EP 11009038 A 20111114; US 201113299545 A 20111118