

Title (en)
CRANE WITH IMAGING SYSTEM

Title (de)
KRAN MIT BILDERFASSUNGSSYSTEM

Title (fr)
GRUE POURVUE D'UN SYSTÈME DE DÉTECTION D'IMAGES

Publication
EP 3594167 B1 20210616 (DE)

Application
EP 18183443 A 20180713

Priority
EP 18183443 A 20180713

Abstract (en)
[origin: US2020017335A1] A crane includes an image acquisition system arranged to be raised and lowered by a lifting device for acquisition of a region of a crane environment. The image acquisition system is arranged on a jib that extends straight, of the lifting device. The image acquisition system is moveable upwardly by an extension of the jib from a lift column and is lowerable by retraction of the jib into the lift column into a transport position in which the jib is disposed substantially completely in the lift column and the image acquisition system is moved towards the lift column. The image acquisition system is arranged on a tip of the jib forming a highest point of the jib.

IPC 8 full level
B66C 13/46 (2006.01)

CPC (source: EP KR RU US)
B66C 13/16 (2013.01 - KR); **B66C 13/44** (2013.01 - US); **B66C 13/46** (2013.01 - EP KR US); **B66C 23/00** (2013.01 - RU); **B66C 23/36** (2013.01 - KR); **B66C 23/62** (2013.01 - KR); **B66C 2700/0357** (2013.01 - KR); **B66C 2700/08** (2013.01 - US)

Citation (examination)
WO 2017164781 A1 20170928 - CARGOTEC PATENTER AB [SE]

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

DOCDB simple family (publication)
EP 3594167 A1 20200115; **EP 3594167 B1 20210616**; ES 2889574 T3 20220112; JP 2020011847 A 20200123; JP 7003092 B2 20220120; KR 20200007719 A 20200122; PL 3594167 T3 20211213; RU 2019121888 A 20210114; RU 2019121888 A3 20210114; RU 2743213 C2 20210216; SI 3594167 T1 20211130; US 10968083 B2 20210406; US 2020017335 A1 20200116

DOCDB simple family (application)
EP 18183443 A 20180713; ES 18183443 T 20180713; JP 2019130290 A 20190712; KR 20190084184 A 20190712; PL 18183443 T 20180713; RU 2019121888 A 20190712; SI 201830400 T 20180713; US 201916509743 A 20190712