

Title (en)
OPERATION OF A CRANE

Title (de)
KRANBETRIEB

Title (fr)
FONCTIONNEMENT D'UNE GRUE

Publication
EP 4159660 A1 20230405 (EN)

Application
EP 21200090 A 20210930

Priority
EP 21200090 A 20210930

Abstract (en)
A computer-implemented method for operating a crane, comprising the steps of: receiving angular data of a structural element of a crane (S100); providing an anti-sway control model configured to describe a relation between input angular data of a structural element of a crane and output motion control data for a drive unit of the crane (S110); determining motion control data for a drive unit of the crane by inputting the received angular data into the anti-sway control model (S120); providing the motion control data for the drive unit of the crane to a control of the drive unit and controlling the drive unit of the crane according to the provided motion control data (S130).

IPC 8 full level
B66C 13/06 (2006.01)

CPC (source: EP)
B66C 13/063 (2013.01)

Citation (search report)

- [XY] WO 2013041770 A1 20130328 - KONECRANES PLC [FI]
- [X] US 5785191 A 19980728 - FEDDEMA JOHN T [US], et al
- [XI] US 5526946 A 19960618 - OVERTON ROBERT H [US]
- [XY] WO 2015074886 A1 20150528 - VINATI S R L [IT], et al
- [X] JP 2021031211 A 20210301 - MURATA MACHINERY LTD

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

Designated validation state (EPC)
KH MA MD TN

DOCDB simple family (publication)
EP 4159660 A1 20230405

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