

Title (en)

CONTROL UNIT AND METHOD FOR OPERATING A CONVEYING MEANS

Title (de)

STEUEREINHEIT UND VERFAHREN ZUM BETRIEB EINES FÖRDERMITTELS

Title (fr)

UNITÉ DE COMMANDE ET PROCÉDÉ D'ACTIONNEMENT D'UN MOYEN DE TRANSPORT

Publication

EP 4017826 A1 20220629 (DE)

Application

EP 20764580 A 20200810

Priority

- DE 102019122703 A 20190823
- EP 2020072350 W 20200810

Abstract (en)

[origin: WO2021037530A1] The invention relates to a method for operating a conveying means, in particular a hoist, crane, continuous conveyor or the like, and to a control unit, wherein the conveying means comprises a drive unit (21) and the control unit (20) for controlling the drive unit, wherein the drive unit comprises at least two drives (43, 44), wherein the drives are controlled by means of a control device (22) of the control unit, wherein rotary transducers (25, 38) of the control unit are in each case connected to the drives of respectively assigned shafts (29, 42) of the drive unit of the conveying means and detect a rotation of the shafts, wherein a transducer device (26, 39) of the respective rotary transducer is used to transmit an angle of rotation signal and/or a rotational speed signal to the control device to control the drives, wherein the control device determines the respective rotational speed of the shafts and compares it with a reference rotational speed, wherein the control device controls the drives in dependence on the comparison.

IPC 8 full level

B66C 13/16 (2006.01); **B66C 13/38** (2006.01); **B66C 15/00** (2006.01)

CPC (source: CN EP US)

B66C 13/16 (2013.01 - CN EP US); **B66C 13/38** (2013.01 - CN EP US); **B66C 15/00** (2013.01 - CN EP US)

Citation (search report)

See references of WO 2021037530A1

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 102019122703 A1 20210225; CN 114375281 A 20220419; EP 4017826 A1 20220629; JP 2022545114 A 20221025; US 2022297985 A1 20220922; WO 2021037530 A1 20210304

DOCDB simple family (application)

DE 102019122703 A 20190823; CN 202080059813 A 20200810; EP 2020072350 W 20200810; EP 20764580 A 20200810; JP 2022512400 A 20200810; US 202017636406 A 20200810