

Title (en)

Process for influencing a winch force acting on a rope drive and device suitable for such a process

Title (de)

Verfahren zur Beeinflussung einer auf einen Seiltrieb wirkenden Seilwindenkraft und Vorrichtung zur Durchführung eines derartigen Verfahrens

Title (fr)

Procédé destiné à influencer la force d'entraînement d'un treuil de manoeuvre et dispositif permettant de mettre en oeuvre un tel procédé

Publication

EP 2762438 B1 20150729 (DE)

Application

EP 14153452 A 20140131

Priority

DE 102013201860 A 20130205

Abstract (en)

[origin: EP2762438A1] The method involves producing a traction sheave cable force (36) by a traction sheave drive (2), and influencing the traction sheave cable force by a control-regulating unit (34) in such a way that a cable winch force (35) acting on a cable drive (29) is controlled depending on a cable drive operating state and an outer cable force (33). A four-quadrant operation of the traction sheave drive is reproduced by the control-regulating unit, where the four traction sheave drive operating states are no-load lifting, no-load lowering, load lifting and load lowering. An independent claim is also included for a device for influencing a cable winch force acting on a cable drive.

IPC 8 full level

B66D 1/50 (2006.01); **B66C 13/18** (2006.01); **B66D 1/74** (2006.01); **B66D 1/76** (2006.01)

CPC (source: EP US)

B66C 13/18 (2013.01 - EP US); **B66D 1/50** (2013.01 - EP US); **B66D 1/505** (2013.01 - EP US); **B66D 1/741** (2013.01 - EP US)

Cited by

DE102018133484A1; WO2020126533A1

Designated contracting state (EPC)

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DOCDB simple family (publication)

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DE 102013201860 A1 20140807; US 2014217340 A1 20140807; US 9656838 B2 20170523

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