

Title (en)
Crane controls with drive restriction

Title (de)
Kransteuerung mit Antriebsbeschränkung

Title (fr)
Commande de grue avec limite d'entraînement

Publication
EP 2636632 B1 20190213 (DE)

Application
EP 12008290 A 20121212

Priority
DE 102012004803 A 20120309

Abstract (en)
[origin: EP2636632A1] The controller has an active swell compensator for partially compensating a movement of rope suspension point (2) or a load relocating point by controlling a lifting gear (5) under consideration of maximum permissible jerk, maximum acceleration, maximum velocity and/or maximum power. The compensator computes a restriction of the lifting gear for controlling the lifting gear. An energy storage unit is connected with a drive of the lifting gear. A trajectory planning module determines a trajectory based on a prognosticated movement of the suspension point or the relocating point. Independent claims are also included for the following: (1) a method for controlling a crane (2) a software comprising a set of instructions for executing a method for controlling a crane.

IPC 8 full level
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CPC (source: EP KR US)
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B66C 23/52 (2013.01 - KR)

Cited by
CN112456361A; WO2016193713A1

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DOCDB simple family (publication)
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DE 102012004803 A1 20130912; JP 2013184826 A 20130919; JP 6243128 B2 20171206; KR 20130103365 A 20130923;
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