

Title (en)

Method of controlling the slewing gear of a slewing crane

Title (de)

Verfahren zur Steuerung des Drehwerks eines Drehkrans

Title (fr)

Procédé de commande du système de rotation d'une grue rotative

Publication

EP 2692683 A1 20140205 (EN)

Application

EP 13178832 A 20130731

Priority

DE 102012015306 A 20120731

Abstract (en)

A method of controlling the slewing gear (4) of a slewing crane (1) comprising at least one three-phase motor (10) which is mechanically coupled to a slewable part of the crane (1) and by which the slewable part of the crane (1) is turned about a slewing axis (5), wherein when a change of loading of the three-phase motor (10) occurs the speed of the three-phase motor (10) is changed and the torque of the three-phase motor (10) is kept constant or substantially constant.

IPC 8 full level

B66C 23/84 (2006.01)

CPC (source: EP)

B66C 23/84 (2013.01)

Citation (applicant)

EP 0691301 A1 19960110 - LIEBHERR WERK BIBERACH GMBH [DE]

Citation (search report)

- [X] US 5343134 A 19940830 - WENDT DAVID C [US], et al
- [X] FR 2520133 A1 19830722 - POTAIN SA [FR]
- [X] DE 2340428 A1 19750220 - TAX HANS
- [X] EP 0734993 A2 19961002 - MAN GHH LOGISTICS [DE]

Cited by

CN106809739A; CN116425063A; CN106255658A; RU2671430C2; CN114634108A; WO2015128086A1

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

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