

Title (en)
Method for tracking the rotational speed of a crane drive and crane drive

Title (de)
Verfahren zur Drehzahlachführung eines Kranantriebs und Kranantrieb

Title (fr)
Procédé d'ajustement du régime d'un entraînement de grue et entraînement de grue

Publication
EP 2746212 A3 20140709 (DE)

Application
EP 13006069 A 20131219

Priority
DE 102012025253 A 20121221

Abstract (en)
[origin: EP2746212A2] The method involves feeding hydraulic loads (7, 11) e.g. hydraulic motors, of a hydraulic crane drive with an adjustable volume flow by a variable displacement pump (3). The pump is driven by a drive engine (1) e.g. diesel engine, of the crane. A rotational speed of the drive engine and a pivot angle of the pump are controlled and/or regulated by a central crane controller (10) based on the required volume flow for the loads and/or due to parameters. A proportional controllable directional seat valve (5) is controlled. The required volume flow is adjusted by an operating lever (6). The parameter is a surrounding temperature. Independent claims are also included for the following: (1) a hydraulic crane drive (2) a crane.

IPC 8 full level
B66C 13/20 (2006.01)

CPC (source: EP US)
B66C 13/20 (2013.01 - EP US); **F15B 21/082** (2013.01 - US)

Citation (search report)

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- [A] US 5967756 A 19991019 - DEVIER LONNIE J [US], et al

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CN106315411A; CN109313441A; US11274992B2

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)
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DOCDB simple family (application)
EP 13006069 A 20131219; DE 102012025253 A 20121221; JP 2013266156 A 20131224; US 201314137140 A 20131220