

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 B1 20181010 (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)

Cited by

CN106315411A; CN109313441A; US11274992B2

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DOCDB simple family (publication)

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EP 13006069 A 20131219; DE 102012025253 A 20121221; JP 2013266156 A 20131224; US 201314137140 A 20131220