

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