

Title (en)

HYDRAULIC SYSTEM WITH IMPROVED PULSATION DAMPING

Title (de)

HYDRAULIKAGGREGAT MIT VERBESSERTER PULSATIONS DÄMPFUNG

Title (fr)

UNITÉ HYDRAULIQUE CARACTÉRISÉE PAR UN AMORTISSEMENT DE PULSATIONS AMÉLIORÉ

Publication

**EP 2250057 A1 20101117 (DE)**

Application

**EP 09708798 A 20090204**

Priority

- EP 2009051277 W 20090204
- DE 102008008271 A 20080208
- DE 102009006980 A 20090130

Abstract (en)

[origin: WO2009098235A1] The invention relates to a hydraulic system HCU comprising a receiving body (1) with electrohydraulic valves (2, 3) with at least one hydraulic pump (4), and with channels for connecting the pump (4) to at least one hydraulic load, wherein as a result of the delivery of a pressure medium by the pump (4) and/or as a result of pressure medium being withdrawn by the load a pulsation situation arises, and at least one damping unit (7) is provided, which comprises a plurality of pulsation damping means such as, in particular, a damping chamber (8), and orifice (9, 10). The object of the invention is to refine generic hydraulic systems such that a uniform and cost-effective solution is provided for very different operating situations and a decrease in comfort as a result of the pulsation effect is prevented. The object is achieved in that the damping unit (7) comprises at least one switching means for adjusting the action of said damping unit (7) to a varied pulsation situation by connecting or disconnecting one or more damping means.

IPC 8 full level

**B60T 8/40** (2006.01)

CPC (source: EP KR US)

**B60T 8/40** (2013.01 - KR); **B60T 8/4068** (2013.01 - EP US); **B60T 8/42** (2013.01 - KR)

Citation (search report)

See references of WO 2009098235A1

Cited by

EP3995433A1

Designated contracting state (EPC)

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 SE SI SK TR

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

**DE 102009006980 A1 20090813**; CN 101939198 A 20110105; CN 101939198 B 20131113; EP 2250057 A1 20101117; KR 101548401 B1 20150828; KR 20100108619 A 20101007; US 2010319334 A1 20101223; US 8671680 B2 20140318; WO 2009098235 A1 20090813

DOCDB simple family (application)

**DE 102009006980 A 20090130**; CN 200980104083 A 20090204; EP 09708798 A 20090204; EP 2009051277 W 20090204; KR 20107019961 A 20090204; US 86652609 A 20090204