

Title (en)

Hydraulic unit for a cylinder head for a combustion engine with a variable valve stroke

Title (de)

Hydraulikeinheit für einen Zylinderkopf einer Brennkraftmaschine mit hydraulisch variablem Ventiltrieb

Title (fr)

Unité hydraulique pour culasse d'un moteur à combustion interne dotée d'une commande de soupape hydraulique variable

Publication

EP 2060754 B1 20111214 (DE)

Application

EP 08167285 A 20081022

Priority

DE 102007054376 A 20071114

Abstract (en)

[origin: EP2060754A2] The hydraulic unit (5) has a slave unit (8) activating a gas-exchange valve. A hydraulic housing is provided with a bottom part (20) and a top part (22). A master unit (6), a slave unit, a high-pressure chamber, a hydraulic valve (10) and a medium-pressure chamber (12) are in connection with the hydraulic housing. A low-pressure chamber (16) used as a hydraulic medium reservoir is formed in the top part and communicates with the medium-pressure chamber through a choke opening that is formed through a separating wall extending between the low-pressure chamber and the medium-pressure chamber.

IPC 8 full level

F01L 9/02 (2006.01); **F01L 9/14** (2021.01)

CPC (source: EP KR US)

F01L 9/14 (2021.01 - EP US); **F01L 13/00** (2013.01 - KR); **F01L 2001/34446** (2013.01 - EP US); **F01L 2820/02** (2013.01 - EP US)

Cited by

DE102018129287A1; EP2226476A1; DE102016219297A1; DE102016218918A1; CN102844530A; DE102016218918B4; EP2226477A1; EP2282022A1; DE102012200469A1; CN111164277A; DE102010024028A1; US9212573B2; US8863715B2; WO2012069211A1; WO2011124500A1; WO2011069836A1; US8215271B2; US8230830B2; US8210140B2; WO2018059627A1; US10900389B2; WO2018065010A1; US11187117B2; DE102016219297B4

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