

Title (en)

HYDRAULICALLY OPERATED VALVE ACTUATION AND INTERNAL COMBUSTION ENGINE WITH SUCH A VALVE ACTUATION

Title (de)

FLUID BETRIEBENER VENTILTRIEB UND BRENNKRAFTMASCHINE MIT EINEM SOLCHEN VENTILTRIEB

Title (fr)

MÉCANISME DE SOUPAPE ACTIONNÉ PAR FLUIDE, ET MOTEUR À COMBUSTION INTERNE POURVU D'UN TEL MÉCANISME DE SOUPAPE

Publication

EP 2209971 A1 20100728 (DE)

Application

EP 08851107 A 20081119

Priority

- EP 2008009772 W 20081119
- EP 07022717 A 20071123
- EP 08851107 A 20081119

Abstract (en)

[origin: EP2063075A1] The mechanism has a control or regulating device (40) arranged such that an engine valve (2) i.e. gas exchange valve, is shiftable adjacent to a rest position in an accelerated movement phase by pressurizing one of set of fluid valve units (20, 22) with pressure of a pressure reservoir (P2) and opening of one of another set of fluid valve units (24, 26) to a base reservoir (P0). The valve is shiftable in a braking phase by opening of another unit of the former set (20, 22) to another pressure reservoir (P1) and opening another unit of the latter set (24, 26) to the base reservoir.

IPC 8 full level

F01L 9/10 (2021.01); **F01L 9/16** (2021.01)

CPC (source: EP US)

F01L 9/10 (2021.01 - EP US); **F01L 9/16** (2021.01 - EP US); **F01L 13/00** (2013.01 - EP US); **F01L 2820/045** (2013.01 - EP US)

Citation (search report)

See references of WO 2009065566A1

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 MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

EP 2063075 A1 20090527; EP 2209971 A1 20100728; EP 2209971 B1 20120627; JP 2011504563 A 20110210; JP 5190118 B2 20130424; US 2010307433 A1 20101209; US 8381693 B2 20130226; WO 2009065566 A1 20090528

DOCDB simple family (application)

EP 07022717 A 20071123; EP 08851107 A 20081119; EP 2008009772 W 20081119; JP 2010534404 A 20081119; US 73474508 A 20081119