

Title (en)

Hydraulic valve for a camshaft phaser

Title (de)

Hydraulikventil für einen Schwenkmotorversteller

Title (fr)

Soupape hydraulique d'un actionneur d'un déphaseur d'arbre à cames

Publication

**EP 2466081 A1 20120620 (DE)**

Application

**EP 11186299 A 20111024**

Priority

DE 102010061337 A 20101220

Abstract (en)

The hydraulic valve (12) has a connection part (A1) of a working connection (A) for guidance of hydraulic fluid into a pressure chamber of a swivel motor adjuster. A piston (19) is equipped, where another connection part locks in a position of a feed line of hydraulic fluid from a supply channel (32) to the pressure chamber.

Abstract (de)

Die Erfindung betrifft ein Hydraulikventil (12) für einen Schwenkmotorversteller welches mittels Rückschlagventilen (35, 36) Nockenwellenwechselmomenten zur schnelleren Verstellung nutzt. Dabei wird das für die jeweilige Drehung ungenutzte Rückschlagventil (35 bzw. 36) zusätzlich mittels des Kolbens (19) des Hydraulikventils (12) verschlossen.

IPC 8 full level

**F01L 1/344** (2006.01)

CPC (source: EP US)

**F01L 1/344** (2013.01 - EP US); **F01L 1/34409** (2013.01 - EP US); **F01L 1/3442** (2013.01 - EP US); **Y10T 137/8671** (2015.04 - EP US)

Citation (applicant)

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- DE 102006012775 B4 20080131 - HYDRAULIK RING GMBH [DE]
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Citation (search report)

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Designated contracting state (EPC)

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Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**EP 2466081 A1 20120620**; **EP 2466081 B1 20170315**; CN 102562208 A 20120711; CN 102562208 B 20160120; DE 102010061337 A1 20120621; DE 102010061337 B4 20150709; DE 102012103300 A1 20130425; DE 102012103300 B4 20170824; JP 2012132449 A 20120712; JP 5941602 B2 20160629; US 2012152195 A1 20120621; US 8752514 B2 20140617

DOCDB simple family (application)

**EP 11186299 A 20111024**; CN 201110429364 A 20111220; DE 102010061337 A 20101220; DE 102012103300 A 20120417; JP 2011277827 A 20111220; US 201113326492 A 20111215