

Title (en)

Spool valve with oil filter for variable camshaft drive

Title (de)

Magnetventil mit Ölfilter für variable Nockenwellensteuerung

Title (fr)

Electrovanne munie d'un filtre à huile pour commande variable d'arbre à cames

Publication

EP 1382807 B1 20110316 (DE)

Application

EP 03013770 A 20030618

Priority

DE 10232528 A 20020718

Abstract (en)

[origin: EP1382807A2] The variable camshaft controller has an adjuster for a camshaft for adjusting opening and closing times of valves in the engine. The angular position of the camshaft can be controlled by a magnetic valve with an engine oil inlet connected to the engine cooling circuit. An oil filter or oil sieve (21) associated with the magnetic valve is arranged before the engine oil inlet.

IPC 8 full level

F01L 1/02 (2006.01); **F01L 1/34** (2006.01); **F01L 1/46** (2006.01)

CPC (source: EP)

F01L 1/022 (2013.01); **F01L 1/34** (2013.01); **F01L 2001/3443** (2013.01); **F01L 2001/34433** (2013.01); **F01L 2001/3444** (2013.01)

Cited by

LU92162B1; FR2857720A1; EP1635044A3; EP3306055A1; EP3456938A1; US8931449B2; US10302059B2; US7328773B2; US10352202B2; WO2016122829A1; WO2008040741A1

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

EP 1382807 A2 20040121; **EP 1382807 A3 20071226**; **EP 1382807 B1 20110316**; DE 10232528 A1 20040219; DE 10232528 B4 20040722; DE 50313539 D1 20110428

DOCDB simple family (application)

EP 03013770 A 20030618; DE 10232528 A 20020718; DE 50313539 T 20030618