

Title (en)
CONTROL VALVE

Title (de)
STEUERVENTIL

Title (fr)
SOUPAPE DE COMMANDE

Publication
EP 2142766 A1 20100113 (DE)

Application
EP 08716844 A 20080214

Priority
• EP 2008051775 W 20080214
• DE 102007015333 A 20070330

Abstract (en)
[origin: WO2008119591A1] The invention relates to a control valve (18), particularly for a device (1) for altering the actuation periods of an internal combustion engine, comprising a valve housing (34) that is configured with a substantially hollow cylindrical structure, a control piston (37) disposed inside the valve housing (34) and axially displaceable therein, and a closing element (39), wherein the control piston (37) comprises at least one section with a hollow structure that ends in an opening (37b) of the control piston (37) and wherein said closing element (39) is disposed in the opening (37b).

IPC 8 full level
F01L 1/34 (2006.01)

CPC (source: EP US)
F01L 1/3442 (2013.01 - EP US); **F16K 11/07** (2013.01 - EP US); **F16K 11/0716** (2013.01 - EP US); **F01L 2001/34426** (2013.01 - EP US)

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

DOCDB simple family (publication)
DE 102007015333 A1 20081002; **DE 102007015333 B4 20200827**; CN 101652537 A 20100217; CN 101652537 B 20120613; EP 2142766 A1 20100113; US 2011000447 A1 20110106; WO 2008119591 A1 20081009

DOCDB simple family (application)
DE 102007015333 A 20070330; CN 200880009954 A 20080214; EP 08716844 A 20080214; EP 2008051775 W 20080214; US 59362808 A 20080214