

Title (en)

VARIABLE VALVE TIMING SYSTEM

Title (de)

VARIABLES VENTILVERTEILUNGSSYSTEM

Title (fr)

SYSTEME DE DISTRIBUTION A PROGRAMME VARIABLE

Publication

EP 0775252 B1 20030326 (EN)

Application

EP 94918052 A 19940523

Priority

- US 9405635 W 19940523
- US 6635093 A 19930524

Abstract (en)

[origin: WO9428288A2] A valve control arrangement for internal combustion engines in which a hydraulic valve actuator with integral fluid reservoir is interactive with two camshafts (110, 120) to continuously and independently vary the valve duration. A modified intake system is provided to increase the effective area of the valves.

IPC 1-7

F01L 1/28; **F01L 9/02**

IPC 8 full level

F01L 1/28 (2006.01); **F01L 9/02** (2006.01); **F01L 9/14** (2021.01)

CPC (source: EP)

F01L 1/185 (2013.01); **F01L 1/28** (2013.01); **F01L 9/14** (2021.01); **F01L 1/08** (2013.01); **F01L 2001/34446** (2013.01)

Citation (examination)

- US 2105699 A 19380118 - PATE WALKER M
- FR 817159 A 19370827
- US 4696265 A 19870929 - NOHIRA HIDETAKA [JP]
- US 4615307 A 19861007 - KODAMA HISASHI [JP], et al
- DE 3048887 A1 19820722 - AUDI AG [DE]
- PATENT ABSTRACTS OF JAPAN vol. 009, no. 202 (M - 405) 20 August 1985 (1985-08-20)

Designated contracting state (EPC)

DE ES FR GB IT SE

DOCDB simple family (publication)

WO 9428288 A2 19941208; **WO 9428288 A3 19941208**; AU 6953894 A 19941220; DE 69432362 D1 20030430; DE 69432362 T2 20040304; EP 0775252 A2 19970528; EP 0775252 B1 20030326; JP 3597532 B2 20041208; JP H08510528 A 19961105

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