

Title (en)

Variable-lift timing system for an internal combustion engine

Title (de)

Variable Ventilsteuerungseinrichtung für eine Brennkraftmaschine

Title (fr)

Dispositif de commande variable de soupape pour moteur à combustion interne

Publication

**EP 1484479 A3 20050824 (EN)**

Application

**EP 04102518 A 20040604**

Priority

IT BO20030347 A 20030606

Abstract (en)

[origin: EP1484479A2] A variable-lift timing system (10) for an internal combustion engine. The system (10) includes an actuating mechanism (12) for moving a valve (11). An intermediate assembly (15) is interposed between the valve (11) and the actuating mechanism (12), and includes a first contoured member (15a), a contoured surface (18) of which contacts the rod (11a) of the valve (11), and a second contoured member (15b), a contoured surface (22) of which contacts a cam (14) rotated by the actuating mechanism (12). A roller (20) is interposed between the first contoured member (15a) and the second contoured member (15b), and the spatial position of the roller is regulated by an actuating device (23, 25) to determine the law of movement of the valve (11). <IMAGE>

IPC 1-7

**F01L 13/00**; F01L 1/18

IPC 8 full level

**F01L 1/18** (2006.01); **F01L 13/00** (2006.01)

CPC (source: EP)

**F01L 1/18** (2013.01); **F01L 13/0021** (2013.01); **F01L 13/0026** (2013.01); **F01L 2820/032** (2013.01)

Citation (search report)

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- [X] DE 10117584 A1 20021010 - ROTH WILLI [DE]
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- [X] PATENT ABSTRACTS OF JAPAN vol. 010, no. 092 (M - 468) 9 April 1986 (1986-04-09)

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WO2006120050A1; US7665434B2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

**EP 1484479 A2 20041208**; **EP 1484479 A3 20050824**; IT BO20030347 A1 20041207

DOCDB simple family (application)

**EP 04102518 A 20040604**; IT BO20030347 A 20030606