

Title (en)
Variable valve timing mechanism.

Title (de)
Ventilantrieb mit variablen Steuerzeiten.

Title (fr)
Opération des soupapes à commande variable.

Publication
EP 0179581 A2 19860430 (EN)

Application
EP 85306982 A 19850930

Priority
GB 8426603 A 19841020

Abstract (en)
A variable valve timing mechanism uses the known principle of an eccentric drive to the camshafts 2, 3. The drive is by means of a shaft 1 which extends through the sleeves and can be moved by means of a bearing 11 in a translational sense with respect to the axes of rotation to the cams. The shaft 1 has lateral projections 8, 9 which couple to the cam lobes. When the shaft is moved in the direction of arrows 11 or 12 the eccentricity of the drive to the cams is varied and the valve timing is altered.

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F01L 1/34

IPC 8 full level
F01L 1/04 (2006.01); **F01L 1/34** (2006.01); **F01L 1/356** (2006.01)

CPC (source: EP)
F01L 1/356 (2013.01); **F01L 2001/0475** (2013.01)

Cited by
DE10306154A1; US5417611A; EP0428278A1; US5080053A; US5975037A; GB2206179A; US4872428A; GB2206179B; WO9528555A1; WO9206282A1; WO9623963A1; WO8808919A1

Designated contracting state (EPC)
DE FR GB IT

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EP 0179581 A2 19860430; EP 0179581 A3 19870422; ES 547998 A0 19870401; ES 8704583 A1 19870401; GB 2165885 A 19860423; GB 2165885 B 19871223; GB 8426603 D0 19841128; JP S61118510 A 19860605

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EP 85306982 A 19850930; ES 547998 A 19851018; GB 8426603 A 19841020; JP 23143985 A 19851018