

Title (en)
Desmodromic valve system.

Title (de)
Formschlüssiges Ventiltriebssystem.

Title (fr)
Système d'entraînement desmodromique des soupapes.

Publication
EP 0091804 A1 19831019 (EN)

Application
EP 83301998 A 19830408

Priority
AU 355182 A 19820408

Abstract (en)
Desmodromic valve system for internal combustion engines, in which the valve (7) is both positively opened and closed under the action of at least one cam (3, 4) and having means whereby the valve timing is varied with at least one engine parameter to provide timing which is close to optimum at various speeds, the means whereby the valve timing is achieved can preferably be by means of the cam(s) (3, 4) having variable profiles (25, 26; 27, 28) along their length and means whereby the valve is operated by the particular profiles specifically appropriate for the speed.

IPC 1-7
F01L 1/30; **F01L 31/22**

IPC 8 full level
F01L 1/30 (2006.01); **F01L 13/00** (2006.01); **F02B 75/02** (2006.01)

CPC (source: EP)
F01L 1/30 (2013.01); **F01L 13/0042** (2013.01); **F02B 2075/027** (2013.01)

Citation (search report)

- [X] DE 2621363 A1 19771124 - DAIMLER BENZ AG
- [A] DE 1013115 B 19570801 - DAIMLER BENZ AG
- [A] DE 3022188 A1 19811224 - HOLTMANN TEODORO
- [A] GB 127613 A 19190612 - RICARDO HARRY RALPH [GB]
- [A] DE 3025259 A1 19810115 - NISSAN MOTOR

Cited by
US5048474A; EP0384361A3; EP1679428A1; KR100482076B1; GB2190140A; GB2190140B; US6619250B2; EP0429277A1; US7082912B2; US6953014B2; WO2017172570A1; WO03040525A1; WO9637688A1

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