

Title (en)

Valve operating mechanism for internal combustion engine.

Title (de)

Ventilantriebsmechanismus für Brennkraftmaschine.

Title (fr)

Mécanisme de commande de soupape pour moteur à combustion interne.

Publication

**EP 0262269 A1 19880406 (EN)**

Application

**EP 86307548 A 19861001**

Priority

EP 86307548 A 19861001

Abstract (en)

A valve operating mechanism for operating at least one valve of an internal combustion engine, includes a camshaft (2) rotatable in synchronism with rotation of the internal combustion engine and having a pair of low- and high-speed cams (3,5) of different cam profiles, a rocker shaft (6), and a pair of first and second rocker arms (7,8) rotatably mounted on the rocker shaft and operable selectively by the low- and high-speed cams for operating the valve according to the cam profiles of the cams. A selective coupling(21) is operatively disposed in and between the first and second rocker arms for interconnecting the first and second rocker arms in high-speed operation of the engine and for disconnecting the first and second rocker arms from each other in low-speed operation of the engine.

IPC 1-7

**F01L 1/26**; **F01L 13/00**; **F01L 31/22**

IPC 8 full level

**F01L 1/26** (2006.01); **F01L 31/22** (2006.01); **F02F 1/24** (2006.01); **F02F 1/42** (2006.01)

CPC (source: EP)

**F01L 1/26** (2013.01); **F01L 1/267** (2013.01); **F02F 1/4214** (2013.01); **F02F 2001/247** (2013.01)

Citation (search report)

- [X] DE 3119133 A1 19821202 - PFEIFER ANTON ING GRAD
- [A] GB 2162245 A 19860129 - HONDA MOTOR CO LTD
- [XE] DE 3613945 A1 19861030 - MAZDA MOTOR [JP]
- [A] PATENT ABSTRACTS OF JAPAN, vol. 8, no. 220 (M-330)[1657], 6th October 1984; & JP-A-59 103 907 (HONDA GIKEN KOGYO K.K.) 15-06-1984

Cited by

US5287830A; US5351662A; US5386806A; US5419290A; EP0563574A3; US5427064A; WO2015097710A1; WO2015097709A1

Designated contracting state (EPC)

DE ES FR GB IT SE

DOCDB simple family (publication)

**EP 0519494 A1 19921223**; **EP 0519494 B1 19970611**; DE 3650636 D1 19970717; DE 3650636 T2 19970925; DE 3687661 D1 19930311; DE 3687661 T2 19930527; EP 0262269 A1 19880406; EP 0262269 B1 19930127; ES 2037007 T3 19930616; ES 2102427 T3 19970801

DOCDB simple family (application)

**EP 92110385 A 19861001**; DE 3650636 T 19861001; DE 3687661 T 19861001; EP 86307548 A 19861001; ES 86307548 T 19861001; ES 92110385 T 19920619