

Title (en)

An improved arrangement of radially disposed poppet valve actuation in an internal combustion engine.

Title (de)

Anordnung für den Antrieb radial angeordneter Tellerventile in einer Brennkraftmaschine.

Title (fr)

Montage de la commande de soupapes disposées radialement dans un moteur à combustion interne.

Publication

**EP 0241185 A1 19871014 (EN)**

Application

**EP 87302628 A 19870326**

Priority

AU 526086 A 19860401

Abstract (en)

A valve actuating arrangement for an internal combustion engine valve train which has, for a pair of valves (34, 36 or 35, 37) a respective rocker member (31, 32, 33, 34) for each valve of the pair and a single actuating rod. Each rocker member is simultaneously movable under the action of the single actuating rod for simultaneous actuation of each valve of the pair thereof by a respective rocker member. The actuating rod may be a cam follower (22 or 24) movable longitudinally under the action of a cam profile (18 or 20) provided on a camshaft (12). Each rocker member may be mounted on a respective shaft, (38, 39, 40, 41) the shafts being inclined such that each rocker member has a shaft axis substantially perpendicular to the longitudinal movement of the cam follower and also substantially perpendicular to the axis of the respective valve. Typically, in a valve actuating system for a pair of inlet valves and a pair of outlet valves, the system comprises for each pair of valves a respective such valve actuating arrangement.

IPC 1-7

**F01L 1/26**

IPC 8 full level

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

CPC (source: EP)

**F01L 1/262** (2013.01); **F02F 1/4214** (2013.01); **F02F 2001/246** (2013.01)

Citation (search report)

- [X] GB 206898 A 19231108 - RUDGE WHITWORTH LTD, et al
- [X] GB 403666 A 19331227 - MANFREDO GIANNOTTI
- [Y] DE 1300578 B 19690807 - BAYERISCHE MOTOREN WERKE AG

Designated contracting state (EPC)

DE FR GB IT SE

DOCDB simple family (publication)

**EP 0241185 A1 19871014**; JP S6380007 A 19880411

DOCDB simple family (application)

**EP 87302628 A 19870326**; JP 7956187 A 19870331