

Title (en)
Valve timing gear for an internal-combustion engine.

Title (de)
Ventilsteuerung für eine Brennkraftmaschine.

Title (fr)
Distribution à soupape pour moteur à combustion interne.

Publication
EP 0155261 A2 19850918 (DE)

Application
EP 85890059 A 19850312

Priority
AT 84384 A 19840314

Abstract (en)
[origin: US4635592A] In an internal combustion engine with a cylinder (1), the cylinder head (2) has four valves (3, 4) inclined towards each other and arranged to be radially aligned with respect to the combustion chamber, pairs of the valves being operable by a common camshaft (6) by means of conical cams (7). To make it possible to use such a valve control for high rotational speeds, too, bucket type tappets (8) are displaceably mounted between the radially aligned valves (3, 4) and the conical cams (7) in the cylinder head (2).

Abstract (de)
Bei einer Brennkraftmaschine mit einem Zylinder (1) weist der Zylinderkopf (2) vier zueinander geneigt angeordnete, bezüglich des Verbrennungsraumes radial ausgerichtete Ventile (3, 4) auf, die paarweise von einer gemeinsamen Nockenwelle (6) mittels kegelförmiger Nocken (7) betätigbar sind. Um eine solche Ventilsteuerung auch für hohe Drehzahlen einsetzen zu können, sind zwischen den radial ausgerichteten Ventilen (3, 4) und den kegelförmigen Nocken (7) im Zylinderkopf (2) verschiebbar gelagerte Tassenstößel (8) vorgesehen.

IPC 1-7
F01L 1/26; **F01L 31/22**

IPC 8 full level
F01L 1/26 (2006.01); **F01L 13/00** (2006.01); **F01L 31/22** (2006.01); **F02B 1/04** (2006.01); **F02F 1/24** (2006.01); **F02F 1/42** (2006.01)

CPC (source: EP US)
F01L 1/205 (2013.01 - EP US); **F01L 1/24** (2013.01 - EP US); **F01L 1/262** (2013.01 - EP US); **F01L 13/0042** (2013.01 - EP US); **F01L 1/0532** (2013.01 - EP US); **F01L 1/08** (2013.01 - EP US); **F01L 2003/256** (2013.01 - EP US); **F02B 1/04** (2013.01 - EP US); **F02B 2275/18** (2013.01 - EP US); **F02F 1/4214** (2013.01 - EP US); **F02F 2001/246** (2013.01 - EP US)

Cited by
AT400971B; DE3818636A1; DE3838305A1; FR2668797A1; EP0235121A1; EP0197914A1; WO9905404A1; WO2009056237A1

Designated contracting state (EPC)
AT DE FR GB IT

DOCDB simple family (publication)
EP 0155261 A2 19850918; **EP 0155261 A3 19870107**; **EP 0155261 B1 19890614**; **EP 0155261 B2 19960320**; AT 382933 B 19870427; AT A84384 A 19860915; AT E44074 T1 19890615; DE 3571061 D1 19890720; US 4635592 A 19870113

DOCDB simple family (application)
EP 85890059 A 19850312; AT 84384 A 19840314; AT 85890059 T 19850312; DE 3571061 T 19850312; US 70976185 A 19850307