

Title (en)

Internal combustion engine with 2 cylinder banks in V arrangement

Title (de)

Brennkraftmaschine mit zwei in V-Form angeordneten Zylinderbänken

Title (fr)

Moteur à combustion interne à 2 rangées de cylindres disposées en V

Publication

**EP 0990776 B1 20040324 (DE)**

Application

**EP 99117325 A 19990903**

Priority

DE 19843588 A 19980923

Abstract (en)

[origin: EP0990776A1] With inlet (13) and outlet (14) camshafts adjoining, the two shafts act on the valves (9) via pushrods (11) and rocker arm (10) respectively for inlet and outlet channels. The outlet camshaft (14) is powered by the crankshaft (2) and the inlet camshaft (13) is powered by the outlet shaft (14) with the aid of an angle adjuster. Both camshafts (13,14) lie superposed in the cylinder bank (3) divider plane (18) and the pushrods are selectively shortened by hydraulic elements (19) which in turn work with the pushrods in response to control lines parallel to the camshafts. The elements adjust the valve stroke between maximum and zero and have a valve balancing device.

IPC 1-7

**F01L 13/00**; F01L 1/34; F01L 1/02; F02B 75/22

IPC 8 full level

**F01L 1/02** (2006.01); **F01L 1/34** (2006.01); **F01L 13/00** (2006.01); **F02B 75/22** (2006.01)

CPC (source: EP)

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