

Title (en)

INTERNAL-COMBUSTION ENGINE HAVING TWO ADJACENT INLET VALVES AND ONE OPPOSITE EXHAUST VALVE PER CYLINDER

Publication

**EP 0271475 B1 19900912 (DE)**

Application

**EP 87890250 A 19871109**

Priority

AT 311786 A 19861121

Abstract (en)

[origin: EP0271475A1] 1. Internal combustion engine with, for each cylinder, two adjacent inlet valves (6) side by side and a single opposing exhaust valve (8), with a camshaft (10) which is equidistant from the two inlet valves (6) and the exhaust valve (8), two rocker shafts (14, 15) being provided, extending parallel to the camshaft for supporting the rockers (16, 16', 17) of substantially equal lengths which actuate the valves (6, 8), and the line (23) joining the cam follower (22) and the tappet (19) of an inlet valve rocker (16 or 16') and of the exhaust valve rocker (17) being turned in the same sense and through the same angle (alpha) with reference to its axis of rotation (24, 25), this inlet valve rocker and the exhaust valve rocker being identical and accordingly interchangeable, characterised in that the connecting line (23) between the cam follower (22) and the tappet (19) also of the other inlet valve rocker (16 or 16') and of the exhaust valve rocker (17) is turned in the same sense and through the same angle alpha with reference to its axis of rotation (24, 25), whereby all three rockers (16, 16', 17) are identical and accordingly interchangeable and the rocker (17) which actuates the exhaust valve (8) lying between the camshaft bearing (26) and that inlet valve rocker (16) which actuates the inlet valve (6) which lies opposite the exhaust valve (8).

IPC 1-7

**F01L 1/26**; **F02F 1/42**

IPC 8 full level

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CPC (source: EP)

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