

Title (en)
Internal combustion engine with rotary valves

Title (de)
Brennkraftmaschine mit Drehventilen

Title (fr)
Moteur à combustion interne à soupapes rotatives

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EP 1304449 B1 20041201 (EN)

Application
EP 02006371 A 20020321

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Abstract (en)
[origin: EP1304449A1] The invention is directed to an Internal combustion engine (1) with rotary valves (2, 3) in axial bores (4, 5) to control opening and closing of transfer ports (6, 7) in a cylinder head or cylinder block (8) for fluid communication between the ports (6, 7) and a combustion chamber (23) of the engine (1). A valve drive shaft (9) is arranged perpendicular to the rotary valves (2, 3), the shaft (9) being provided with helical slots (10) to cooperate with gears (11) fixed to the free ends of the rotary valves (2, 3) for driving the rotary valves (2, 3) in accordance with the operating cycle of the engine (1). <IMAGE>

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F01L 1/022 (2013.01); **F01L 7/08** (2013.01); **F01L 1/024** (2013.01); **F01L 1/026** (2013.01)

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