

Title (en)

Internal combustion engine with at least two cylinders

Title (de)

Brennkraftmaschine mit zumindest zwei Zylindern

Title (fr)

Moteur à combustion interne avec au moins deux cylindres

Publication

EP 1752643 A1 20070214 (DE)

Application

EP 06013813 A 20060704

Priority

DE 10537384 A 20050808

Abstract (en)

The internal combustion engine has at least two cylinders with inlet (3) and exhaust (4) sides and a bridge region (5) between the cylinders (2,2'), whereby a cylinder head or crankcase has coolant channels on the inlet and exhaust sides essentially parallel to the longitudinal axis of the engine. The first channel is connected to the second in the bridge region by at least one bore so as to pass coolant.

IPC 8 full level

F02F 1/10 (2006.01); **F01P 3/02** (2006.01)

CPC (source: EP)

F01P 3/02 (2013.01); **F02F 1/108** (2013.01); **F01P 11/04** (2013.01); **F01P 2003/021** (2013.01); **F01P 2003/027** (2013.01)

Citation (search report)

- [XY] US 3983852 A 19761005 - CHATOUREL PIERRE
- [Y] US 4369739 A 19830125 - UMEMURA YUKIO [JP], et al
- [PX] FR 2869356 A1 20051028 - RENAULT SAS [FR]
- [Y] PATENT ABSTRACTS OF JAPAN vol. 010, no. 216 (M - 502) 29 July 1986 (1986-07-29)

Citation (examination)

JP 2003193836 A 20030709 - MITSUBISHI MOTORS CORP

Cited by

DE102009009686A1; EP3178418A1; EP2977599A1; DE102014214376A1

Designated contracting state (EPC)

DE FR GB IT

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AL BA HR MK YU

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