

Title (en)

DEVICE FOR GUIDING MEDIA IN A CYLINDER BLOCK AND CRANKCASE

Title (de)

VORRICHTUNG ZUR MEDIENFÜHRUNG IN EINEM ZYLINDERKURBELGEHÄUSE

Title (fr)

DISPOSITIF DE GUIDAGE DE MILIEUX DANS UN CARTER DE VILEBREQUIN CYLINDRIQUE

Publication

**EP 1664513 A1 20060607 (DE)**

Application

**EP 04764575 A 20040828**

Priority

- EP 2004009601 W 20040828
- DE 10340157 A 20030901

Abstract (en)

[origin: WO2005024215A1] The invention relates to a device for guiding media in a cylinder block and crankcase of a reciprocating piston in-line combustion engine having a number of cylinders. To this end, the media guide comprises, among other things, at least one cross-channel that leads from one longitudinal side to the other longitudinal side of the cylinder block and crankcase. A structurally advantageous and simple design is provided by virtue of the fact that the cross-channel runs inside a free space, which is formed by recesses of two adjacent pistons in the lower area of the piston skirts and above the crankshaft bearing of the combustion engine.

IPC 1-7

**F02F 1/14**; **F02F 1/10**; **F01P 3/02**; **F02F 7/00**

IPC 8 full level

**F01P 3/02** (2006.01); **F02F 1/10** (2006.01); **F02F 1/14** (2006.01); **F02F 7/00** (2006.01)

CPC (source: EP US)

**F01M 11/02** (2013.01 - EP US); **F01P 3/02** (2013.01 - EP US); **F01P 11/04** (2013.01 - EP US); **F02F 1/108** (2013.01 - EP US); **F02F 1/14** (2013.01 - EP US); **F02F 7/007** (2013.01 - EP US); **F01P 2003/021** (2013.01 - EP US)

Citation (search report)

See references of WO 2005024215A1

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

**WO 2005024215 A1 20050317**; DE 10340157 A1 20050331; DE 10340157 B4 20081002; DE 502004009932 D1 20091001; EP 1664513 A1 20060607; EP 1664513 B1 20090819; US 2006249104 A1 20061109; US 7509934 B2 20090331

DOCDB simple family (application)

**EP 2004009601 W 20040828**; DE 10340157 A 20030901; DE 502004009932 T 20040828; EP 04764575 A 20040828; US 56944906 A 20060224