

Title (en)
Cooling system

Title (de)
Kühlsystem

Title (fr)
Circuit de refroidissement

Publication
EP 2309114 B1 20120912 (DE)

Application
EP 09166865 A 20090730

Priority
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Abstract (en)
[origin: US2011023799A1] An internal combustion engine is disclosed that has a cylinder block with multiple cylinders, a bridge between adjacent cylinders, a cooling slot in the bridge, and a water jacket portion in the cylinder block. A cylinder head is coupled to the cylinder block which has a first cooling passage fluidly coupling the cooling slot and the water jacket portion in the cylinder block, a water jacket portion in the cylinder head, and a second cooling passage in the cylinder head fluidly coupling the cooling slot with the water jacket portion in the cylinder head. A cylinder head gasket is arranged between the cylinder head and the cylinder block which has a first orifice in the cylinder head gasket cooperating with the first cooling passage a second orifice in the cylinder head gasket cooperating with the second cooling passage.

IPC 8 full level
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CPC (source: EP US)
F01P 3/02 (2013.01 - EP US); **F02F 1/14** (2013.01 - EP US); **F02F 1/40** (2013.01 - EP US); **F01P 7/165** (2013.01 - EP US); **F01P 2003/027** (2013.01 - EP US); **F01P 2003/028** (2013.01 - EP US)

Cited by
DE102016214224B4; DE102016214224A1; DE102016214226A1; DE102015109145B4; DE102014200054A1; US9243545B2; DE202016104442U1; DE102017206716A1; DE102018201645B3; US10550753B2

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DOCDB simple family (publication)
US 2011023799 A1 20110203; **US 8555825 B2 20131015**; CN 201891481 U 20110706; EP 2309114 A1 20110413; EP 2309114 B1 20120912; EP 2322785 A1 20110518; EP 2322785 B1 20180919; EP 2325453 A1 20110525; EP 2325453 B1 20120718

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