

Title (en)

Cooling system for the cylinder jacket of an internal combustion engine

Title (de)

Kühlsystem für den Zylindermantel einer Brennkraftmaschine

Title (fr)

Système de refroidissement pour la chemise du cylindre d'un moteur à combustion interne

Publication

EP 0814243 B1 20030416 (DE)

Application

EP 96810414 A 19960620

Priority

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Abstract (en)

[origin: EP0814243A1] The cooling system supplies the coolant through the cylinder cap (5,7), in which it is preheated. The preheated coolant may then be supplied at a preset temperature to the coolant channels (11) and clearance cavities (12) of the cylinder sleeve. The preheating within the preset temperature range may be achieved with heat which is at least partly created in the region of the cylinder sleeve. The coolant may be taken through the cylinder cap or through the region of TDC of the piston in the cylinder sleeve and preheated there.

IPC 1-7

F01P 3/02; **F02F 1/14**

IPC 8 full level

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CPC (source: EP KR)

F01P 3/02 (2013.01 - EP KR); **F01P 7/164** (2013.01 - KR); **F01P 7/165** (2013.01 - KR); **F02B 3/06** (2013.01 - KR); **F02F 1/14** (2013.01 - EP KR); **F01P 7/16** (2013.01 - EP); **F01P 7/164** (2013.01 - EP); **F01P 7/165** (2013.01 - EP); **F01P 2003/006** (2013.01 - EP KR); **F01P 2003/021** (2013.01 - EP); **F01P 2003/024** (2013.01 - EP); **F01P 2003/028** (2013.01 - EP KR); **F01P 2007/143** (2013.01 - EP KR); **F01P 2007/146** (2013.01 - EP KR); **F01P 2025/31** (2013.01 - EP KR); **F01P 2025/32** (2013.01 - EP); **F02B 3/06** (2013.01 - EP); **F02F 2007/0097** (2013.01 - EP KR)

Cited by

EP1757795A1; CN111456863A; GB2435075A; GB2435075B; EP3693566A1; CN111550324A; DE102020120712A1; WO2006047206A1

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