

Title (en)  
Method for producing an internal combustion engine

Title (de)  
Verfahren zur Herstellung eines Verbrennungsmotors

Title (fr)  
Methode de production d'un moteur à combustion interne

Publication  
**EP 1591639 B1 20100818 (DE)**

Application  
**EP 04101829 A 20040429**

Priority  
EP 04101829 A 20040429

Abstract (en)  
[origin: EP1591639A1] The method involves having a cylinder liner surrounded by a cooling agent channel where exterior to it an isolation layer is assigned. The isolation layer is within the inner walls of the cooling agent channel so that its exteriors are brought in. The isolation layer is formed with the cooling agent channel as a one piece so that the isolation layer is connected positively with the inner wall of the cooling agent channel. The isolation layer is manufactured at the same time with the cooling agent. The cooling agent channel is directly cast.

IPC 8 full level  
**F02B 77/11** (2006.01); **F02F 1/10** (2006.01); **F01P 3/02** (2006.01)

CPC (source: EP)  
**F02B 77/11** (2013.01); **F02F 1/16** (2013.01); **F01P 3/02** (2013.01)

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Designated contracting state (EPC)  
DE FR GB

DOCDB simple family (publication)  
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