

Title (en)  
Cooling duct variant for pistons

Title (de)  
Kühlkanalvarianten für Kolben

Title (fr)  
Variantes de canal de ventilation pour piston

Publication  
**EP 1930578 A3 20120208 (DE)**

Application  
**EP 07022821 A 20071124**

Priority  
DE 102006056011 A 20061128

Abstract (en)  
[origin: EP1930578A2] The piston (1) has a radially circulating cooling channel (6a) arranged at a distance to a piston head (2), where the piston is made of light-metal e.g. steel. Lubricating oil is injected into inlet openings (13, 14) as a cooling medium over a free jet of injection nozzles (11, 12). The channel is designed in a divided or undivided manner, and the nozzles are provided for loading the openings or a connection of the channel. The medium in the free jet enters into the openings, where the jet is directed parallel to a longitudinal axis. A lower side (20) is loaded with the medium by the jet.

IPC 8 full level  
**F02F 3/22** (2006.01); **F01P 3/08** (2006.01)

CPC (source: EP)  
**F01P 3/08** (2013.01); **F02F 3/22** (2013.01)

Citation (search report)

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Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)  
AL BA HR MK RS

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