

Title (en)
Oil cooled internal combustion engine

Title (de)
Ölgekühlte Brennkraftmaschine

Title (fr)
Moteur à combustion interne refroidi par de l'huile

Publication
EP 1079080 A3 20020724 (DE)

Application
EP 00117193 A 20000811

Priority
DE 19940144 A 19990824

Abstract (en)
[origin: EP1079080A2] The engine has an engine block with a cylinder housing and cylinder head and a cooling sleeve carrying an oil flow and contg. an annular chamber (10) enclosing a piston working chamber and a head chamber (11) almost fully covering the working chamber at the end, whereby the head chamber and annular chamber are directly connected. The oil flow passes from the cooling sleeve via an outlet opening (13) in the head chamber into a return chamber (14) enclosing at least one cylinder (6) including the annular chamber.

IPC 1-7
F01P 3/02; **F01P 3/00**; **F01M 11/00**; **F01M 1/02**

IPC 8 full level
F01M 1/02 (2006.01); **F01M 1/12** (2006.01); **F01P 3/02** (2006.01); **F01P 3/00** (2006.01)

CPC (source: EP)
F01M 1/02 (2013.01); **F01M 1/12** (2013.01); **F01P 3/02** (2013.01); **F01P 2003/006** (2013.01)

Citation (search report)

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- [A] DE 4029427 A1 19910404 - VOLKSWAGEN AG [DE]
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- [A] US 4834030 A 19890530 - BAUER LOTHAR [DE], et al
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DE102004030353A1; AU2006349461B2; CN106050352A; CN103221672A; US7798289B2; US7819227B2

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