

Title (en)
Pump housing for internal combustion engine

Title (de)
Pumpengehäuse für Brennkraftmaschine

Title (fr)
Carter de pompe pour un moteur à combustion interne

Publication
EP 1063397 A3 20020410 (EN)

Application
EP 00305246 A 20000621

Priority
• GB 9914696 A 19990623
• GB 9917122 A 19990721

Abstract (en)
[origin: EP1063397A2] A pump housing 10 for mounting on an internal combustion engine block comprising an integral body having a recess 22 for a coolant pump and a passageway for communicating coolant between an inlet 28 to and outlet 36, 38 from the coolant pump, and a recess 56 for a lubricant pump and a passageway for communicating lubricant between an inlet 60 to and outlet 62 from the lubricant pump. <IMAGE>

IPC 1-7
F01P 5/10; **F01M 1/02**; **F01M 5/00**

IPC 8 full level
F04D 29/00 (2006.01); **F01M 1/02** (2006.01); **F01M 1/06** (2006.01); **F01M 5/00** (2006.01); **F01M 11/03** (2006.01); **F01P 5/10** (2006.01); **F02B 77/14** (2006.01)

CPC (source: EP KR)
F01M 1/02 (2013.01 - EP); **F01M 5/002** (2013.01 - EP); **F01P 5/10** (2013.01 - EP); **F04D 29/00** (2013.01 - KR); **F01M 11/03** (2013.01 - EP); **F01M 2001/1014** (2013.01 - EP); **F01M 2001/1092** (2013.01 - EP); **F01M 2011/033** (2013.01 - EP); **F01M 2011/035** (2013.01 - EP); **F01M 2011/036** (2013.01 - EP); **F02B 77/14** (2013.01 - EP)

Citation (search report)
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• [X] US 4977870 A 19901218 - HASHIMOTO HIROSHI [JP], et al
• [X] US 4370957 A 19830201 - SKATSCHE OTHMAR [AT], et al
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Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
EP 1063397 A2 20001227; **EP 1063397 A3 20020410**; AU 4261500 A 20010104; BR 0002860 A 20010130; CA 2312604 A1 20001223; CN 1280246 A 20010117; GB 0014238 D0 20000802; GB 2351322 A 20001227; ID 26426 A 20001228; JP 2001020712 A 20010123; KR 20010007490 A 20010126; NO 20003274 D0 20000622; NO 20003274 L 20001227

DOCDB simple family (application)
EP 00305246 A 20000621; AU 4261500 A 20000623; BR 0002860 A 20000623; CA 2312604 A 20000623; CN 00118738 A 20000623; GB 0014238 A 20000613; ID 20000516 D 20000623; JP 2000189830 A 20000623; KR 20000034671 A 20000623; NO 20003274 A 20000622