

Title (en)
Cooling circuit

Title (de)
Kühlkreislauf

Title (fr)
Circuit de refroidissement

Publication
EP 1083309 A3 20030102 (DE)

Application
EP 00119100 A 20000904

Priority
DE 19942726 A 19990908

Abstract (en)
[origin: EP1083309A2] The cooling circuit has a radiator connected to an engine via engine feed and outlet lines, a thermostat and a bypass valve in the outlet line and a circulating pump in the feed line. The bypass valve is integrated into the thermostat in the form of openings (20) in a working element (19) of the thermostat that is opened and closed depending on the coolant temp.

IPC 1-7
F01P 7/16

IPC 8 full level
F01P 7/16 (2006.01); **F01P 3/20** (2006.01)

CPC (source: EP)
F01P 7/16 (2013.01); **F01P 3/20** (2013.01); **F01P 2060/045** (2013.01); **F01P 2060/06** (2013.01); **F01P 2060/08** (2013.01)

Citation (search report)

- [X] GB 2321957 A 19980812 - PERKINS LTD [GB]
- [X] DE 19646933 A1 19980514 - BAYERISCHE MOTOREN WERKE AG [DE]
- [X] US 2408269 A 19460924 - PETERSON WILLIAM R
- [X] DE 604382 C
- [X] DE 3112202 A1 19821014 - BAYERISCHE MOTOREN WERKE AG [DE]
- [DA] DE 19625357 A1 19980102 - ZAHNRADFABRIK FRIEDRICHSHAFEN [DE]
- [DA] DE 19603184 A1 19970731 - ZAHNRADFABRIK FRIEDRICHSHAFEN [DE]
- [A] US 1418397 A 19220606 - RAYFIELD CHARLES L
- [A] PATENT ABSTRACTS OF JAPAN vol. 1997, no. 01 31 January 1997 (1997-01-31)

Cited by
WO2014098709A1

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 1083309 A2 20010314; EP 1083309 A3 20030102; DE 19942726 A1 20010329

DOCDB simple family (application)
EP 00119100 A 20000904; DE 19942726 A 19990908