

Title (en)

Cooling system for an internal combustion engine

Title (de)

Kühlsystem für eine Brennkraftmaschine

Title (fr)

Système de refroidissement pour un moteur à combustion interne

Publication

**EP 1046798 A3 20011212 (DE)**

Application

**EP 00890119 A 20000413**

Priority

AT 71499 A 19990422

Abstract (en)

[origin: EP1046798A2] An electrically driven cooling pump (7) feeds a cooling agent through an internal combustion engine (ICE) (1) and a cooler t take out heat. A safety device has an emergency activator (9) and an emergency recognition device (13) designed to detect any trouble near the pump.

IPC 1-7

**F01P 5/14**

IPC 8 full level

**F01P 5/14** (2006.01); **F01P 5/12** (2006.01)

CPC (source: EP US)

**F01P 5/14** (2013.01 - EP US); **F01P 2005/125** (2013.01 - EP US)

Citation (search report)

- [X] US 5765521 A 19980616 - STUETZLE GUENTHER [DE], et al
- [XA] PATENT ABSTRACTS OF JAPAN vol. 007, no. 044 (M - 195) 22 February 1983 (1983-02-22)

Cited by

EP1529936A1

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 1046798 A2 20001025; EP 1046798 A3 20011212; EP 1046798 B1 20051123**; AT E299990 T1 20050815; AT E310899 T1 20051215; DE 50010786 D1 20050825; DE 50011670 D1 20051229; EP 1447540 A1 20040818; EP 1447540 B1 20050720; ES 2242949 T3 20051116; US 6318307 B1 20011120

DOCDB simple family (application)

**EP 00890119 A 20000413**; AT 00890119 T 20000413; AT 04011758 T 20000413; DE 50010786 T 20000413; DE 50011670 T 20000413; EP 04011758 A 20000413; ES 04011758 T 20000413; US 55258000 A 20000419