

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 B1 20051123 (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)

Cited by

EP1529936A1

Designated contracting state (EPC)

AT DE ES FR GB IT

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