

Title (en)

Submersible pump with optional mountable cooling jacket

Title (de)

Tauchmotorpumpe mit einer wahlweise anbringbaren Doppelmantelkühlung

Title (fr)

Pompe submersible avec gaine optionnelle de refroidissement démontable

Publication

EP 0943810 B1 20040114 (DE)

Application

EP 99102276 A 19990205

Priority

DE 19811677 A 19980318

Abstract (en)

[origin: EP0943810A1] The pump consists of a centrifugal pump and a drive motor, forming an immersion pump unit enclosed in a casing (1) with a selectively applicable cooling jacket (6). The jacket has an outlet (10) that can be connected to a supply line. The casing has outer surfaces against which the inner surfaces of the cooling jacket can be brought and seals (8,9) closing the gaps between the casing and the cooling jacket.

IPC 1-7

F04D 29/58; **F04D 13/08**

IPC 8 full level

F04D 13/08 (2006.01); **F04D 29/58** (2006.01)

CPC (source: EP)

F04D 13/086 (2013.01); **F04D 29/586** (2013.01)

Cited by

CN117588445A; US8840380B2; US11808268B2

Designated contracting state (EPC)

AT BE DE DK ES FR GB IE IT NL

DOCDB simple family (publication)

EP 0943810 A1 19990922; **EP 0943810 B1 20040114**; AT E257913 T1 20040115; DE 19811677 A1 19990923; DE 59908273 D1 20040219

DOCDB simple family (application)

EP 99102276 A 19990205; AT 99102276 T 19990205; DE 19811677 A 19980318; DE 59908273 T 19990205