

Title (en)

Pump, in particular for household machine using water.

Title (de)

Pumpe, insbesondere für wasserführende Haushaltsmaschinen

Title (fr)

Pompe, en particulier pour machines domestiques utilisant de l' eau

Publication

EP 1870508 A3 20080528 (DE)

Application

EP 07011738 A 20070615

Priority

DE 102006028913 A 20060621

Abstract (en)

[origin: EP1870508A2] The pump (1) has a heating unit (11) staying in heat contact with a liquid-bearing interior of a pump housing (2). The pump housing is partly made of plastic, where the heating unit is connected partially with the plastic in a positive fit manner. The heating unit is arranged in the interior of the pump housing. Connection ends of the heating unit penetrate the plastic of the pump housing. The heating unit has a heating zone placed at a distance from the plastic and a contact zone, where the operating temperature of the contact zone is lower than the operating temperature of the heating zone.

IPC 8 full level

D06F 39/04 (2006.01); **D06F 39/08** (2006.01)

CPC (source: EP US)

D06F 39/04 (2013.01 - EP US); **F04D 29/026** (2013.01 - EP US); **F04D 29/426** (2013.01 - EP US); **F04D 29/588** (2013.01 - EP US); **D06F 39/085** (2013.01 - EP US); **F05D 2230/20** (2013.01 - EP US); **F05D 2300/43** (2013.01 - EP US)

Citation (search report)

- [X] EP 1247993 A2 20021009 - MIELE & CIE [DE]
- [X] WO 2006027331 A1 20060316 - EMERSON APPLIANCE MOTORS EUROPE [IT], et al

Cited by

CN111937221A; US10260505B2; EP2221485A3; WO2019192977A1; WO2014198427A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK RS

DOCDB simple family (publication)

EP 1870508 A2 20071226; **EP 1870508 A3 20080528**; **EP 1870508 B1 20110105**; AT E494414 T1 20110115; CN 101096953 A 20080102; CN 101096953 B 20120926; DE 102006028913 A1 20071227; DE 502007006153 D1 20110217; US 2008044168 A1 20080221; US 7965928 B2 20110621

DOCDB simple family (application)

EP 07011738 A 20070615; AT 07011738 T 20070615; CN 200710142178 A 20070621; DE 102006028913 A 20060621; DE 502007006153 T 20070615; US 81279607 A 20070621