

Title (en)

Fluid circulation pump adapted to a household appliance

Title (de)

Flüssigkeitsumwälzpumpe passend für ein Haushaltsgerät

Title (fr)

Pompe de circulation de fluide adaptée à un appareil électroménager

Publication

EP 2221485 A2 20100825 (EN)

Application

EP 10382013 A 20100125

Priority

ES 200900203 A 20090126

Abstract (en)

Fluid circulation pump adapted to a household appliance, comprising a motor (2) that is attached to a motor body (15), a hydraulic body (10) that is fixed to the motor body (15), an impeller (6) operated by the motor (2) and which is housed inside the hydraulic body (10), and a heating device (8) for the incoming water, the heating device (8) comprising at least one heating element (22) and a conducting element (23) in thermal contact with the heating element (22). The heating device (8) is arranged inserted in the inside of the hydraulic body (10). The fluid circulation pump (1) comprises a capsule (12) that is attached to the motor body (15) and which delimits along with the heating device (8), an impeller chamber (13), the impeller (6) being housed in the impeller chamber (13).

IPC 8 full level

F04D 13/06 (2006.01); **A47L 15/42** (2006.01); **D06F 39/04** (2006.01); **D06F 39/08** (2006.01); **F04D 29/42** (2006.01); **F04D 29/44** (2006.01); **F04D 29/58** (2006.01); **F04D 29/62** (2006.01)

CPC (source: EP ES US)

A47L 15/4214 (2013.01 - ES); **A47L 15/4225** (2013.01 - EP); **D06F 39/04** (2013.01 - EP ES US); **D06F 39/085** (2013.01 - EP ES US); **F04D 13/06** (2013.01 - EP US); **F04D 29/426** (2013.01 - EP); **F04D 29/445** (2013.01 - EP); **F04D 29/586** (2013.01 - EP); **F04D 29/628** (2013.01 - EP)

Citation (applicant)

- US 6736598 B2 20040518 - KLEEMANN MARTIN [DE], et al
- GB 2427437 A 20061227 - OTTER CONTROLS LTD [GB]
- ES 2217864 T3 20041101 - BSH BOSCH SIEMENS HAUSGERAETE

Cited by

CN103477085A; EP2549119A3; DE102012202491B3; CN104712584A; CN108518358A; CN108518359A; CN108518360A; CN106659353A; EP3182873A4; CN109209912A; US2023044897A1; US11828295B2; WO2015145386A1; WO2012062839A1; US9145901B2; US9388822B2; US10092161B2; US10368715B2; US10653290B2; US11185210B2; US11684234B2; US12016507B2; EP3212835B1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK SM TR

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

EP 2221485 A2 20100825; **EP 2221485 A3 20161221**; **EP 2221485 B1 20210310**; ES 2351271 A1 20110202; ES 2351271 B1 20111115; ES 2855153 T3 20210923

DOCDB simple family (application)

EP 10382013 A 20100125; ES 10382013 T 20100125; ES 200900203 A 20090126