

Title (en)
Dishwasher with a circulating pump

Title (de)
Geschirrspülmaschine mit einer Umwälzpumpe

Title (fr)
Lave-vaisselle doté d'une pompe de recirculation

Publication
EP 2275017 A3 20170405 (DE)

Application
EP 10168100 A 20100701

Priority
DE 102009027645 A 20090713

Abstract (en)
[origin: EP2275017A2] The dishwasher has a washing space for accommodating items to be cleaned, where water is supplied to the space by a circulating pump (6). The pump includes a fixed, central suction channel (11) running up to a rotatable wheel (7) i.e. impeller wheel, where the suction channel is bounded by a tube portion (12). A sliding portion (13) and a thrust ring (14) form a bearing for the wheel. The sliding portion and the ring in a dual function form a sealing system against backflow of water into the channel. The sliding portion and/or the ring is/are formed with a Teflon(RTM: PTFE) coating.

IPC 8 full level
A47L 15/42 (2006.01); **F04D 29/047** (2006.01); **F04D 29/16** (2006.01); **F04D 29/22** (2006.01)

CPC (source: EP)
A47L 15/4225 (2013.01); **F04D 29/0473** (2013.01); **F04D 29/167** (2013.01); **F04D 29/2266** (2013.01)

Citation (search report)

- [Y] US 4448359 A 19840515 - MEYERS THEODORE F [US]
- [Y] FR 2911166 A1 20080711 - SIEBEC SOCIETE PAR ACTIONS SIM [FR]
- [Y] DE 19513962 A1 19961017 - GUETLICH EWALD [DE]

Cited by
CN105286746A; DE102011079887A1

Designated contracting state (EPC)
AL 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)
BA ME RS

DOCDB simple family (publication)
EP 2275017 A2 20110119; EP 2275017 A3 20170405; EP 2275017 B1 20180912; CN 101953672 A 20110126; CN 101953672 B 20150408; DE 102009027645 A1 20110120; DE 102009027645 B4 20180802; ES 2692328 T3 20181203; PL 2275017 T3 20190131

DOCDB simple family (application)
EP 10168100 A 20100701; CN 201010229721 A 20100713; DE 102009027645 A 20090713; ES 10168100 T 20100701; PL 10168100 T 20100701