

Title (en)
Household appliance for washing articles

Title (de)
Haushaltsgerät zum Waschen von Artikeln

Title (fr)
Appareil ménager pour laver des articles

Publication
EP 2085619 A1 20090805 (EN)

Application
EP 08150991 A 20080201

Priority
EP 08150991 A 20080201

Abstract (en)
A household appliance (1) for washing articles having at least one electric pump (8) for circulating or draining water; the electric pump (8) having an outer volute (9) having an inner pumping chamber (9a), an impeller (10) housed in axially rotating manner inside the pumping chamber (9a), and an electric motor (11) connected mechanically to the impeller (10) to rotate it about a rotation axis (A); the impeller (10) in turn having a central hub (17) coaxial with the rotation axis (A), and at least one movable projecting blade (18) fitted to the central hub (17) and movable between a fully retracted position in which the blade (18) is almost totally withdrawn inside the central hub (17), and a fully extracted position in which the blade (18) projects from the central hub (17) so that the outer lateral edge (18a) of the blade is further from the rotation axis (A) than when the blade (18) is in the fully retracted position.

IPC 8 full level
F04D 29/24 (2006.01)

CPC (source: EP US)
D06F 39/085 (2013.01 - EP US); **F04D 29/247** (2013.01 - EP US); **D06F 2103/48** (2020.02 - EP US)

Citation (search report)
• [A] US 4651040 A 19870317 - GERSTNER BRUNO [DE], et al
• [A] DE 2558319 A1 19770707 - DAIMLER BENZ AG
• [A] DE 102004051561 A1 20060504 - SIEMENS AG [DE]
• [A] JP S59115484 A 19840703 - TOSHIBA KK
• [A] FR 2711395 A1 19950428 - ARNAUD JOEL [FR]

Cited by
EP3209827A4; FR2965775A1; US10280553B2

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 MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA MK RS

DOCDB simple family (publication)
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DOCDB simple family (application)
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