

Title (en)
MOTOR COOLING SYSTEM FOR A WASHING MACHINE

Title (de)
MOTORKÜHLSYSTEM FÜR EINE WASCHMASCHINE

Title (fr)
SYSTÈME DE REFROIDISSEMENT DE MOTEUR POUR MACHINE À LAVER

Publication
EP 3492646 A1 20190605 (EN)

Application
EP 17204350 A 20171129

Priority
EP 17204350 A 20171129

Abstract (en)
A motor cooling system (1) for washing machine comprising a motor (2) adapted to perform a washing operation of the washing machine, and a first pipe (3) wound around an outer surface (4) of the motor, the first pipe (3) is adapted to flow a coolant (5) through it, the first pipe (3) is in heat transfer coupling with the motor (2), such that when the motor (2) is heated due to performance of the washing operation, the motor (2) transfers heat to the coolant (5) flowing through the first pipe (3).

IPC 8 full level
D06F 37/30 (2006.01); **D06F 39/00** (2006.01); **D06F 58/20** (2006.01); **D06F 58/28** (2006.01); **H02K 9/00** (2006.01)

CPC (source: EP US)
D06F 37/30 (2013.01 - EP US); **D06F 39/006** (2024.01 - US); **D06F 58/206** (2013.01 - US)

Citation (applicant)
• EP 1996757 B1 20100120 - ARCELIK AS [TR]
• CN 105019201 A 20151104 - ZHANG ZHIXIONG

Citation (search report)
• [IDY] CN 105019201 A 20151104 - ZHANG ZHIXIONG
• [Y] DE 19937629 A1 20010215 - BSH BOSCH SIEMENS HAUSGERAETE [DE]
• [Y] US 2014202216 A1 20140724 - KIM HYUN-BAE [KR]
• [Y] EP 2049722 A1 20090422 - ARCELIK AS [TR]

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 RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

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DOCDB simple family (application)
EP 17204350 A 20171129; TR 201721500 A 20171225