

Title (en)
ADJUSTABLE COOLANT PUMP

Title (de)
VERSTELLBARE KÜHLMITTELPUMPE

Title (fr)
POMPE DE REFROIDISSEMENT RÉGLABLE

Publication
EP 3431768 A1 20190123 (EN)

Application
EP 18382529 A 20180716

Priority
EP 17382466 A 20170717

Abstract (en)
An adjustable coolant pump comprising: a housing (12); a shaft (13) to rotate around an axis of rotation of the housing; an impeller (14) assembled in the shaft; a shutter (2) displaceable along the axis of rotation to cover, at least partially, an outflow region of the impeller such that an amount of the coolant delivered by the pump is adjustable; at least one end-stop element (3) attached to a portion of the housing to define an end of stroke for the shutter when covering, at least partially, the outflow region; wherein the housing comprises: a top face (15) and a bottom face (16) disposed substantially perpendicular to the axis of rotation, the bottom face being provided between the top face and the shutter; wherein the end-stop element is attached to the bottom face. Also provided is a method of operation of an adjustable coolant pump.

IPC 8 full level
F04D 15/00 (2006.01); **F01P 5/10** (2006.01)

CPC (source: EP)
F04D 15/0038 (2013.01)

Citation (applicant)
DE 102005062200 B3 20070222 - GERAETE & PUMPENBAU GMBH [DE]

Citation (search report)
• [XII] DE 102013111939 B3 20141030 - PIERBURG GMBH [DE]
• [I] DE 102011052678 A1 20130214 - PORSCHE AG [DE]
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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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