

Title (en)
Seal for a controllable coolant pump

Title (de)
Abdichtung für eine regelbare Kühlmittelpumpe

Title (fr)
Joint pour une pompe à réfrigérant réglable

Publication
EP 2392828 A3 20130123 (DE)

Application
EP 11163109 A 20110420

Priority
DE 102010022884 A 20100607

Abstract (en)
[origin: EP2392828A2] The pump (1) has a hollow shaft (3) placed in a pump housing (2) and connecting a drive wheel to an impeller (4). Coolant is drawn in via a cover disk (8), which is provided upstream to a suction chamber (5), by rotating the impeller. An axially displaceable baffle plate (9) attached to the impeller influences delivery volume. The plate is connected to a push rod (10) guided into the shaft in a torsionally rigid manner. The plate acts together with an adjusting unit i.e. electromagnet. A sealing element (14) seals an annular gap (13) formed between the plate and the disk. The sealing element is made of elastomer.

IPC 8 full level
F04D 15/00 (2006.01); **F04D 29/16** (2006.01)

CPC (source: EP US)
F04D 15/0038 (2013.01 - EP US); **F04D 29/167** (2013.01 - EP US)

Citation (search report)

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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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