

Title (en)

Device for calibrating the flow of a cooling agent in a cooling circuit and cooling circuit

Title (de)

Vorrichtung zur Einstellung des Durchflusses eines Kühlmittels in einem Kühlkreislauf, und Kühlmittelkreislauf

Title (fr)

Dispositif de réglage du débit d'un moyen de refroidissement dans un circuit de refroidissement et circuit de refroidissement

Publication

**EP 2039902 A3 20100317 (DE)**

Application

**EP 08159078 A 20080626**

Priority

DE 102007029732 A 20070627

Abstract (en)

[origin: EP2039902A2] The device (3) has components provided with a set of geometries in dependence of the temperature of a cooling agent, where the geometries correspond to a set of meta stable states. One of the meta stable states corresponds to a less flow rate, and the other meta stable state corresponds to a high flow rate. The device passes from a meta stable condition into another meta stable condition during transition of the temperature of the cooling agent from a temperature range into another temperature range.

IPC 8 full level

**F01P 11/02** (2006.01)

CPC (source: EP)

**F01P 11/029** (2013.01); **F01P 2007/146** (2013.01)

Citation (search report)

- [XY] DE 510960 C 19301024 - WILLY BRANDEGGER DIPL ING
- [X] FR 2713361 A1 19950609 - VINCENT ERIC [FR]
- [X] DE 10011143 A1 20010920 - BAYERISCHE MOTOREN WERKE AG [DE]
- [Y] US 5836269 A 19981117 - SCHNEIDER KLAUS [DE]
- [X] JP S56143877 A 19811109 - NIHON RADIATOR CO
- [A] DE 951692 C 19561031 - SMITH & SONS LTD S

Cited by

DE102013102353A1; DE102013012754B3; DE102011002562A1; DE102011002562B4; DE102010017766A1; DE102010017766B4; US8813491B2; WO2014124822A1; US8851026B2

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)

**EP 2039902 A2 20090325; EP 2039902 A3 20100317**

DOCDB simple family (application)

**EP 08159078 A 20080626**