

Title (en)
CONTROL DEVICE FOR A RADIATOR, RADIATOR OF THE ELECTRO-HYDRAULIC TYPE COMPRISING SAID CONTROL DEVICE, METHOD FOR CONTROLLING SAID RADIATOR

Title (de)
STEUERUNGSVORRICHTUNG FÜR EINEN RADIATOR, ELEKTRO-HYDRAULISCHER RADIATOR MIT EINER SOLCHEN STEUERUNGSVORRICHTUNG UND VERFAHREN ZUR STEUERUNG DES RADIATORS

Title (fr)
DISPOSITIF DE PILOTAGE POUR RADIATEUR, RADIATEUR ÉLECTROHYDRAULIQUE AVEC CE DISPOSITIF DE PILOTAGE ET PROCÉDÉ POUR CONTRÔLER LE RADIATEUR

Publication
EP 3315868 A1 20180502 (EN)

Application
EP 17199025 A 20171027

Priority
IT 201600109456 A 20161028

Abstract (en)
A control device (30) for a radiator (10) having an inlet mouth (11) and an outlet mouth (12) that can be connected to respective hydraulic fittings of a hydraulic system comprising: a three-way junction element (31) having a first (32) and a second (33) mouth coaxial to one another between which a main duct extends, and a third mouth (34), the first mouth (32) being arranged to be connected to at least one of the mouths of the radiator (10), the third mouth being arranged to be connected to one of the hydraulic system fittings such that such fitting is substantially coaxial with the first (32) and the second (33) mouth; an electric heater (35), the electric heater (35) having an end coupled to the second mouth (33) and extending within the three-way junction element (31) until passing through the first mouth (32), and protruding outside, the electric heater (35) being selectively connectable to a power supply line; an electrovalve unit (37, 38) arranged to selectively open a fluid connection between the three-way junction element (31) and the hydraulic system; an electronic control unit (40) configured to drive the electrovalve unit (37, 38) and control the selective connection between the electric heater (35) and the power supply line.

IPC 8 full level
F24D 13/04 (2006.01); **F24D 19/00** (2006.01); **F24D 19/10** (2006.01)

CPC (source: EP US)
F24D 13/04 (2013.01 - EP); **F24D 19/0012** (2013.01 - EP); **F24D 19/1018** (2013.01 - EP US); **F24H 15/281** (2022.01 - EP US); **F24H 15/37** (2022.01 - EP US); **F24D 2220/0271** (2013.01 - EP)

Citation (search report)

- [IAY] WO 8402765 A1 19840719 - SCHWARZ ANTON
- [A] DE 29812233 U1 19980917 - F W OVENTROP GMBH & CO KG [DE]
- [A] EP 3067638 A1 20160914 - DELTACALOR S R L [IT]
- [A] EP 0962711 A1 19991208 - ARBONIA AG [CH]
- [A] EP 0617238 A1 19940928 - KERMI GMBH [DE]
- [YA] DE 202010012695 U1 20101209 - KERMI GMBH [DE]

Cited by
CN113994834A

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

DOCDB simple family (publication)
EP 3315868 A1 20180502; IT 201600109456 A1 20180428

DOCDB simple family (application)
EP 17199025 A 20171027; IT 201600109456 A 20161028