

Title (en)

DEVICE FOR COOLING ELECTRICAL ELEMENTS

Title (de)

VORRICHTUNG ZUR KÜHLUNG ELEKTRISCHER ELEMENTE

Title (fr)

DISPOSITIF DE REFROIDISSEMENT D'ÉLÉMENTS ÉLECTRIQUES

Publication

EP 2030271 A1 20090304 (DE)

Application

EP 07724746 A 20070430

Priority

- EP 2007003819 W 20070430
- DE 102006025535 A 20060601

Abstract (en)

[origin: WO2007137668A1] The invention relates to a device for cooling electrical elements, in particular those of a motor vehicle encompassing a multitude of electrical elements (5), each of which has a bottom surface (5a) and a side surface (5b), with the bottom surfaces (5a) predominantly arranged in one plane, with a fed air stream circulating around the electrical elements (5) for cooling purposes, wherein the electrical elements (5) are arranged on a substrate (1) predominantly parallel to the plane and provided with openings (3), wherein the air stream can flow through the substrate (1).

IPC 8 full level

H01M 6/50 (2006.01); **H01M 10/50** (2006.01); **H01M 50/213** (2021.01); **H01M 50/224** (2021.01); **H01M 50/227** (2021.01)

CPC (source: EP US)

H01M 6/5038 (2013.01 - EP); **H01M 10/613** (2015.04 - EP); **H01M 10/625** (2015.04 - EP); **H01M 10/643** (2015.04 - EP); **H01M 10/653** (2015.04 - EP); **H01M 10/6556** (2015.04 - EP); **H01M 10/6563** (2015.04 - EP); **H01M 10/6567** (2015.04 - EP); **H01M 10/6569** (2015.04 - EP); **H01M 10/663** (2015.04 - EP); **H01M 50/213** (2021.01 - EP US); **H01M 50/224** (2021.01 - EP US); **H01M 50/227** (2021.01 - EP US); **Y02E 60/10** (2013.01 - EP); **Y02P 70/50** (2015.11 - EP)

Citation (search report)

See references of WO 2007137668A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK RS

DOCDB simple family (publication)

DE 102006025535 A1 20071206; EP 2030271 A1 20090304; WO 2007137668 A1 20071206

DOCDB simple family (application)

DE 102006025535 A 20060601; EP 07724746 A 20070430; EP 2007003819 W 20070430