

Title (en)

COOLING MODULE

Title (de)

KÜHLMODUL

Title (fr)

MODULE DE REFROIDISSEMENT

Publication

**EP 2422387 A1 20120229 (DE)**

Application

**EP 10718075 A 20100423**

Priority

- EP 2010002525 W 20100423
- DE 102009018787 A 20090424

Abstract (en)

[origin: WO2010121829A1] The invention relates to a battery management system for a battery module having a plurality of battery cells which have respective positive and negative terminals, the battery management system being located on a board and said board having a plurality of electric contacts that can be brought in direct contact with conductive elements of the battery cells. The conductive elements are either the terminals of the battery cells of the battery module and/or conductive spacer elements which are provided between adjacent terminals of the cells.

IPC 8 full level

**H01M 10/50** (2006.01); **H01M 50/209** (2021.01); **H01M 50/262** (2021.01); **H01M 50/291** (2021.01); **H01M 50/293** (2021.01)

CPC (source: EP US)

**H01M 10/441** (2013.01 - EP US); **H01M 10/443** (2013.01 - EP US); **H01M 10/482** (2013.01 - EP US); **H01M 10/486** (2013.01 - EP US);  
**H01M 10/613** (2015.04 - EP US); **H01M 10/625** (2015.04 - EP US); **H01M 10/647** (2015.04 - EP US); **H01M 10/653** (2015.04 - EP US);  
**H01M 10/6553** (2015.04 - EP US); **H01M 10/6568** (2015.04 - EP US); **H01M 10/663** (2015.04 - EP US); **H01M 50/209** (2021.01 - EP US);  
**H01M 50/262** (2021.01 - EP US); **H01M 50/291** (2021.01 - EP US); **H01M 50/293** (2021.01 - EP US); **H01M 10/052** (2013.01 - EP US);  
**Y02E 60/10** (2013.01 - EP US); **Y02T 10/70** (2013.01 - US)

Citation (search report)

See references of WO 2010121832A1

Citation (examination)

JP S57188855 A 19821119 - KOBE STEEL LTD

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 MK MT NL NO PL PT RO SE SI SK SM TR

DOCDB simple family (publication)

**DE 102009018787 A1 20101028**; EP 2422386 A1 20120229; EP 2422387 A1 20120229; EP 2422388 A1 20120229;  
US 2012183823 A1 20120719; US 2012188714 A1 20120726; US 8830676 B2 20140909; WO 2010121829 A1 20101028;  
WO 2010121831 A1 20101028; WO 2010121832 A1 20101028

DOCDB simple family (application)

**DE 102009018787 A 20090424**; EP 10715718 A 20100423; EP 10718075 A 20100423; EP 10719259 A 20100423; EP 2010002522 W 20100423;  
EP 2010002524 W 20100423; EP 2010002525 W 20100423; US 201013266024 A 20100423; US 201013266074 A 20100423