

Title (en)
METHOD FOR ESTIMATING THE TEMPERATURE AT THE CORE OF A BATTERY CELL

Title (de)
VERFAHREN ZUR SCHÄTZUNG DER TEMPERATUR IM KERN EINER BATTERIEZELLE

Title (fr)
METHODE POUR ESTIMER LA TEMPERATURE AU COEUR D'UNE CELLULE DE BATTERIE

Publication
EP 2756542 A1 20140723 (FR)

Application
EP 12773029 A 20120912

Priority
• FR 1158228 A 20110915
• FR 2012052042 W 20120912

Abstract (en)
[origin: WO2013038109A1] The invention relates to a method of estimating the temperature at the core of a module (10) of a traction battery of an electric or hybrid vehicle in which is packaged a plurality of electric charge accumulating elements (11), characterized in that the temperature (y) is measured at the level of an exterior wall (13) of the battery module (10) and in that an estimation of the temperature is calculated; Formula (I) at the core of the battery module (10) on the basis of the measurement of the temperature (y).

IPC 1-7
H01M 10/50

IPC 8 full level
H01M 10/48 (2006.01); **B60L 50/16** (2019.01)

CPC (source: CN EP KR US)
G01K 1/20 (2013.01 - US); **G01R 31/36** (2013.01 - KR); **H01M 10/425** (2013.01 - KR); **H01M 10/486** (2013.01 - CN EP KR US); **H01M 10/613** (2015.04 - EP KR US); **H01M 10/625** (2015.04 - KR); **H01M 10/633** (2015.04 - EP US); **H01M 10/635** (2015.04 - EP KR US); **H01M 2010/4271** (2013.01 - KR); **H01M 2220/20** (2013.01 - KR); **Y02E 60/10** (2013.01 - EP KR); **Y02T 10/70** (2013.01 - KR)

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

DOCDB simple family (publication)
WO 2013038109 A1 20130321; CN 103891039 A 20140625; CN 103891039 B 20170704; EP 2756542 A1 20140723; FR 2980307 A1 20130322; FR 2980307 B1 20141107; JP 2014531711 A 20141127; JP 6127052 B2 20170510; KR 101961273 B1 20190322; KR 20140062515 A 20140523; US 2014377605 A1 20141225; US 9306249 B2 20160405

DOCDB simple family (application)
FR 2012052042 W 20120912; CN 201280050616 A 20120912; EP 12773029 A 20120912; FR 1158228 A 20110915; JP 2014530295 A 20120912; KR 20147009703 A 20120912; US 201214345030 A 20120912