

Title (en)  
PASSIVE TEMPERATURE CONTROL OF RECHARGEABLE BATTERIES

Title (de)  
PASSIVE TEMPERATURREGELUNG VON AKKUMULATOREN

Title (fr)  
RÉGULATION PASSIVE DE LA TEMPÉRATURE D'ACCUMULATEURS

Publication  
**EP 3114725 A1 20170111 (DE)**

Application  
**EP 15714159 A 20150109**

Priority  
• DE 102014100420 A 20140115  
• DE 2015100016 W 20150109

Abstract (en)  
[origin: WO2015106758A1] The invention relates to a battery or rechargeable battery (8) comprising at least one battery cell (1, 1A, 1B, 1C, 1D, 1E) and a temperature control for the battery cells (1, 1A, 1B, 1C, 1D, 1E). The temperature control has: at least one vapour chamber (2, 2A, 2B), a first battery contact surface (4) of which is in direct contact with the surface of the at least one battery cell (1, 1A, 1B, 1C, 1D, 1E); and heat pipes (10) which lie partially on a second heat pipe contact surface (4) of the vapour chamber (2, 2A, 2B) and lead out of the battery (8) to a heat exchanger (20).

IPC 8 full level  
**H01M 10/6552** (2014.01); **H01M 50/209** (2021.01); **H01M 50/211** (2021.01); **H01M 50/213** (2021.01)

CPC (source: EP KR US)  
**H01M 10/63** (2015.04 - KR); **H01M 10/6551** (2015.04 - EP KR); **H01M 10/6552** (2015.04 - EP KR); **H01M 10/659** (2015.04 - EP); **H01M 50/20** (2021.01 - KR); **H01M 50/209** (2021.01 - EP US); **H01M 50/211** (2021.01 - EP US); **H01M 50/213** (2021.01 - EP US); **H01M 10/647** (2015.04 - EP); **H01M 2220/10** (2013.01 - EP KR); **H01M 2220/20** (2013.01 - EP KR); **Y02E 60/10** (2013.01 - EP KR); **Y02T 10/70** (2013.01 - KR)

Citation (search report)  
See references of WO 2015106758A1

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)  
**WO 2015106758 A1 20150723**; **WO 2015106758 A4 20150903**; DE 102014100420 A1 20150730; EP 3114725 A1 20170111; JP 2017503330 A 20170126; KR 20160120293 A 20161017; SG 10201806044Y A 20180830; SG 11201605831W A 20160929; WO 2015107106 A1 20150723

DOCDB simple family (application)  
**DE 2015100016 W 20150109**; DE 102014100420 A 20140115; EP 15714159 A 20150109; EP 2015050657 W 20150115; JP 2016564380 A 20150109; KR 20167022356 A 20150109; SG 10201806044Y A 20150109; SG 11201605831W A 20150109