

Title (en)

BATTERY COMPRISING AN INTEGRATED PULSE WIDTH MODULATION INVERTER

Title (de)

BATTERIE MIT INTEGRIERTEM PULSWECHSELRICHTER

Title (fr)

BATTERIE PRÉSENTANT UN ONDULEUR À IMPULSIONS INTÉGRÉ

Publication

EP 2558328 A2 20130220 (DE)

Application

EP 11707118 A 20110218

Priority

- DE 102010027856 A 20100416
- EP 2011052410 W 20110218

Abstract (en)

[origin: WO2011128140A2] The invention relates to a battery (30, 40) comprising at least one battery cell line (31, 41). The at least one battery cell line (31, 41) comprises a plurality of battery cells mounted in series between a respective positive battery pole and a respective negative battery pole. According to the invention, the battery (30, 40) comprises a pulse width modulation inverter (33, 43) integrated into the battery (30, 40), at least one first and one second input, and at least one output, the first and second inputs being connected to the positive battery pole or the negative battery pole. The invention also relates to a motor vehicle comprising an electric drive motor (13) for driving the motor vehicle and said battery (30, 40) connected to the electric drive motor (13).

IPC 8 full level

B60L 11/18 (2006.01)

CPC (source: EP KR US)

B60L 15/007 (2013.01 - EP US); **B60L 50/50** (2019.01 - KR); **B60L 50/64** (2019.01 - EP US); **B60L 58/18** (2019.01 - EP US); **B60L 58/19** (2019.01 - EP US); **B60L 58/21** (2019.01 - EP US); **B60L 58/26** (2019.01 - EP US); **H01M 10/48** (2013.01 - EP US); **H01M 10/613** (2015.04 - EP US); **H01M 10/625** (2015.04 - EP US); **H02J 7/00** (2013.01 - KR); **H02M 7/44** (2013.01 - US); **Y02E 60/10** (2013.01 - EP); **Y02T 10/64** (2013.01 - EP US); **Y02T 10/70** (2013.01 - EP US)

Citation (search report)

See references of WO 2011128140A2

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)

DE 102010027856 A1 20111020; **DE 102010027856 B4 20231214**; CN 102844221 A 20121226; CN 102844221 B 20150930; EP 2558328 A2 20130220; KR 101451855 B1 20141016; KR 20130010011 A 20130124; US 2013200694 A1 20130808; WO 2011128140 A2 20111020; WO 2011128140 A3 20111208

DOCDB simple family (application)

DE 102010027856 A 20100416; CN 201180019269 A 20110218; EP 11707118 A 20110218; EP 2011052410 W 20110218; KR 20127029980 A 20110218; US 201113641456 A 20110218