

Title (en)

COOLING DEVICE FOR AT LEAST ONE MOTOR VEHICLE BATTERY

Title (de)

KÜHLVORRICHTUNG FÜR MINDESTENS EINE KRAFTFAHRZEUGBATTERIE

Title (fr)

SYSTEME DE REFROIDISSEMENT D'AU MOINS UNE BATTERIE DE VEHICULE AUTOMOBILE

Publication

**EP 3732741 A1 20201104 (FR)**

Application

**EP 19703147 A 20190104**

Priority

- FR 1850202 A 20180110
- FR 2019050016 W 20190104

Abstract (en)

[origin: WO2019138176A1] The invention relates to a system (1) for cooling at least one motor vehicle battery (2), said system comprising: - a closed compartment (3) arranged to receive a battery (2), - a dielectric fluid (4) present in the compartment so as to be able to cool the battery, - a cooling device (5) arranged to cool the dielectric fluid, this cooling device comprising at least one channel in which a heat-transfer fluid separate from the dielectric fluid can flow, said cooling device being arranged so as to allow cooling of the heat-transfer fluid by ambient air or by heat exchange with an air-conditioning unit of the motor vehicle.

IPC 8 full level

**B60H 1/00** (2006.01); **B60K 11/06** (2006.01); **B60L 58/26** (2019.01); **H01M 10/613** (2014.01); **H01M 10/625** (2014.01); **H01M 10/633** (2014.01); **H01M 10/635** (2014.01); **H01M 10/6556** (2014.01); **H01M 10/656** (2014.01); **H01M 10/6561** (2014.01); **H01M 10/6567** (2014.01); **H01M 10/6568** (2014.01); **H01M 10/6569** (2014.01); **H01M 10/663** (2014.01); **H01M 50/204** (2021.01); **H01M 50/249** (2021.01)

CPC (source: EP US)

**B60H 1/00278** (2013.01 - EP); **B60K 1/00** (2013.01 - EP); **B60K 11/02** (2013.01 - EP); **B60L 3/0046** (2013.01 - EP); **B60L 50/64** (2019.02 - EP US); **B60L 58/26** (2019.02 - EP); **H01M 10/613** (2015.04 - EP); **H01M 10/625** (2015.04 - EP); **H01M 10/633** (2015.04 - EP); **H01M 10/635** (2015.04 - EP); **H01M 10/6556** (2015.04 - EP); **H01M 10/656** (2015.04 - EP); **H01M 10/6561** (2015.04 - EP); **H01M 10/6567** (2015.04 - EP); **H01M 10/6568** (2015.04 - EP); **H01M 10/6569** (2015.04 - EP); **H01M 10/663** (2015.04 - EP); **H01M 50/204** (2021.01 - EP US); **H01M 50/249** (2021.01 - EP US); **B60H 2001/00307** (2013.01 - EP); **B60K 2001/005** (2013.01 - EP); **B60L 2240/545** (2013.01 - EP); **B60L 2240/662** (2013.01 - EP); **Y02E 60/10** (2013.01 - EP); **Y02T 10/70** (2013.01 - EP); **Y02T 10/72** (2013.01 - EP); **Y02T 90/16** (2013.01 - EP)

Cited by

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