

Title (en)

SUPERCONDUCTING DEVICE WITH COIL DEVICES AND COOLING DEVICE, AND VEHICLE FITTED THEREWITH

Title (de)

VORRICHTUNG DER SUPRALEITUNGSTECHNIK MIT SPULENEINRICHTUNGEN UND KÜHLVORRICHTUNG SOWIE DAMIT AUSGESTATTETES FAHRZEUG

Title (fr)

DISPOSITIF DE SUPRACONDUCTIVITÉ PRÉSENTANT DES DISPOSITIFS DE BOBINAGE ET UN DISPOSITIF DE REFROIDISSEMENT, AINSI QUE VÉHICULE ÉQUIPÉ DE CELUI-CI

Publication

EP 3204954 A1 20170816 (DE)

Application

EP 15797303 A 20151118

Priority

- DE 102014224363 A 20141128
- EP 2015076930 W 20151118

Abstract (en)

[origin: CA2969032A1] A superconducting device (1) is provided, comprising - at least two electrical coil devices (3, 5), at least one of which is designed as a superconducting coil device (3, 5), - and comprising a cooling device (7) for cooling the coil devices (3, 5) with the aid of a coolant (9). The device (1) has at least one first connecting line (11a) between the two electrical coil devices (3, 5), which comprises both a first electrical conductor (13) for the electrical connection of the two coil devices (3, 5) and a first coolant tube (15) for transporting coolant (9) between the two coil devices (3, 5). Also provided is a vehicle (25) comprising such a device (1), which is designed as a drive device.

IPC 8 full level

H01F 6/04 (2006.01); **H01F 6/06** (2006.01); **H01F 36/00** (2006.01); **H02K 55/00** (2006.01)

CPC (source: CN EP US)

H01F 6/04 (2013.01 - CN EP US); **H01F 6/06** (2013.01 - US); **H01F 6/065** (2013.01 - CN EP US); **H02K 55/00** (2013.01 - CN EP US); **B60L 2200/26** (2013.01 - EP US); **B60L 2220/54** (2013.01 - EP US); **H01F 36/00** (2013.01 - CN EP US); **H01F 2006/001** (2013.01 - US); **Y02E 40/60** (2013.01 - EP); **Y02T 10/64** (2013.01 - EP US)

Citation (search report)

See references of WO 2016083203A1

Designated contracting state (EPC)

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Designated extension state (EPC)

BA ME

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DOCDB simple family (application)

DE 102014224363 A 20141128; BR 112017011000 A 20151118; CA 2969032 A 20151118; CN 201580064805 A 20151118; EP 15797303 A 20151118; EP 2015076930 W 20151118; US 201515525766 A 20151118