

Title (en)
DEVICE FOR CONTROLLING AN INVERTER/RECTIFIER

Title (de)
VORRICHTUNG ZUR STEUERUNG EINES WECHSELRICHTERS/GLEICHRICHTERS

Title (fr)
DISPOSITIF DE COMMANDE D'UN ONDULEUR/REDRESSEUR

Publication
EP 4324087 A1 20240221 (FR)

Application
EP 22720436 A 20220404

Priority
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• FR 2103766 A 20210412
• EP 2022058854 W 20220404

Abstract (en)
[origin: WO2022218736A1] A device for controlling an inverter/rectifier (20) able to be electrically connected to the stator electric winding (10) of a rotary electric machine (7) also comprising a rotor, especially for a vehicle, the device comprising: at least one temperature sensor able to deliver a measurement representative of the temperature of the rotor and/or of the stator of the rotary electric machine; and a temperature-estimating module able to deliver an estimation representative of the temperature of this rotor and/or of this stator, the control device generating, in a principal operating mode, inverter/rectifier setpoints using, as signal representative of temperature: the measurement delivered by the temperature sensor, and the estimation delivered by the temperature-estimating module, for all or some of the speeds of rotation of the rotor.

IPC 8 full level
H02P 1/46 (2006.01); **B60K 6/00** (2006.01); **H02P 21/18** (2016.01); **H02P 25/022** (2016.01); **H02P 25/026** (2016.01); **H02P 25/03** (2016.01); **H02P 29/032** (2016.01); **H02P 29/60** (2016.01); **H02P 29/62** (2016.01); **H02P 29/64** (2016.01); **H02P 29/66** (2016.01)

CPC (source: EP US)
B60K 6/48 (2013.01 - EP); **B60K 6/547** (2013.01 - EP); **H02K 1/27** (2013.01 - US); **H02K 7/003** (2013.01 - US); **H02K 7/116** (2013.01 - US); **H02K 11/25** (2016.01 - US); **H02K 11/33** (2016.01 - US); **H02P 1/46** (2013.01 - EP); **H02P 21/18** (2016.02 - EP); **H02P 25/022** (2013.01 - EP); **H02P 25/026** (2013.01 - EP); **H02P 25/03** (2016.02 - EP); **H02P 29/032** (2016.02 - EP); **H02P 29/60** (2016.02 - EP); **H02P 29/62** (2016.02 - EP); **H02P 29/64** (2016.02 - EP); **H02P 29/66** (2016.02 - EP); **H02P 29/662** (2016.11 - EP); **B60K 1/00** (2013.01 - US); **B60K 6/26** (2013.01 - US); **B60K 6/36** (2013.01 - US); **B60K 17/04** (2013.01 - US); **B60K 2006/4825** (2013.01 - EP); **B60Y 2200/91** (2013.01 - US); **B60Y 2200/92** (2013.01 - US); **B60Y 2400/60** (2013.01 - US); **H02P 2203/05** (2013.01 - EP)

Designated contracting state (EPC)
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Designated extension state (EPC)
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KH MA MD TN

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