

Title (en)

METHOD AND DEVICE FOR CHARGING A LOW-VOLTAGE BATTERY IN AN ELECTRIC DRIVE SYSTEM

Title (de)

VERFAHREN UND VORRICHTUNG ZUM LADEN EINER NIEDERVOLTBATTERIE IN EINEM ELEKTRISCHEN ANTRIEBSSYSTEM

Title (fr)

PROCÉDÉ ET DISPOSITIF DE CHARGEMENT D'UNE BATTERIE BASSE TENSION DANS UN SYSTÈME D'ENTRAÎNEMENT ÉLECTRIQUE

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Application

EP 11801595 A 20111207

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Abstract (en)

[origin: WO2012084131A2] The invention relates to a method and device (1) for charging a low-voltage battery (2) in an electric drive system, comprising at least one high-voltage battery (3), at least one low-voltage battery (2), at least one DC/DC converter (5, 11), units (6, 7) for determining the state of charge of the low-voltage battery (2) and of the high-voltage battery (3) and at least one control unit (8) for the DC/DC converter (5, 11), wherein the device has at least one connection (9) to an external voltage supply, wherein by means of the unit (6) the state of charge of the low-voltage battery (2) can be determined and can be compared with a threshold value and by means of the control unit (8) the connection (9) to the external voltage supply (10) can be checked, wherein depending upon the state of charge of the low-voltage battery (2) and the connection (9) to an external voltage supply (10) a charging path from the external voltage supply (10) via the DC/DC converter (5) to the low-voltage battery (2) can be activated by the control unit (8).

IPC 8 full level

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See references of WO 2012084131A2

Citation (examination)

WO 2006112510 A1 20061026 - TOYOTA MOTOR CO LTD [JP], et al

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