

Title (en)  
CONTROL DEVICE FOR A DRIVE SYSTEM, DRIVE SYSTEM, METHOD

Title (de)  
STEUERVORRICHTUNG FÜR EIN ANTRIEBSSYSTEM, ANTRIEBSSYSTEM, VERFAHREN

Title (fr)  
DISPOSITIF DE COMMANDE POUR UN SYSTÈME D'ENTRAÎNEMENT, SYSTÈME D'ENTRAÎNEMENT ET PROCÉDÉ

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Application  
**EP 22751323 A 20220713**

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• EP 2022069550 W 20220713

Abstract (en)  
[origin: WO2023006422A1] The invention relates to a control device (8) for a drive system (19) which has an electric motor (2) electrically connected by a power electronics unit (7) to an electric power storage device (6), the control device (8) having a computing unit (12) and a plurality of gate driver circuits (13, 14) and being designed to set a safe operational state in the power electronics unit (7) when a fault in the drive system (19) and/or the control device (8) is detected. The computing unit (12) is designed to determine a control instruction in accordance with a current actual rotational speed ( $n_{lst}$ ) of the motor (2) and to store the control instruction in the gate driver circuits (13, 14), and the gate driver circuits (13, 14) set the safe operational state according to the stored control instruction when a fault is detected.

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