

Title (en)

CONTROL CIRCUIT FOR AN ELECTRIC MACHINE, ELECTRIC DRIVE SYSTEM, AND METHOD FOR DECELERATING AN ELECTRIC MACHINE

Title (de)

ANSTEUERSCHALTUNG FÜR EINE ELEKTRISCHE MASCHINE, ELEKTRISCHES ANTRIEBSSYSTEM UND VERFAHREN ZUM ABBREMSEN EINER ELEKTRISCHEN MASCHINE

Title (fr)

CIRCUIT DE COMMANDE POUR UNE MACHINE ÉLECTRIQUE, SYSTÈME D'ENTRAÎNEMENT ÉLECTRIQUE ET PROCÉDÉ DE DÉCÉLÉRATION D'UNE MACHINE ÉLECTRIQUE

Publication

**EP 4259470 A1 20231018 (DE)**

Application

**EP 21819803 A 20211124**

Priority

- DE 102020215604 A 20201210
- EP 2021082780 W 20211124

Abstract (en)

[origin: WO2022122382A1] The invention relates to a circuit assembly for better decelerating a rotating electric machine by means of a three-point inverter. For this purpose, an electric resistor is provided between a central terminal and an outer terminal of the three-point inverter. This electric resistor allows some of the electric energy generated during the deceleration of the electric machine to be converted into thermal energy as needed.

IPC 8 full level

**B60L 7/22** (2006.01); **B60L 7/26** (2006.01); **B60W 30/18** (2012.01); **H02M 7/483** (2007.01); **H02M 7/487** (2007.01); **H02M 7/68** (2006.01); **H02P 3/14** (2006.01); **H02P 3/22** (2006.01)

CPC (source: EP US)

**B60L 7/22** (2013.01 - EP); **B60L 7/26** (2013.01 - EP); **B60W 30/18127** (2013.01 - EP); **H02M 1/32** (2013.01 - EP); **H02M 7/487** (2013.01 - EP); **H02M 7/797** (2013.01 - EP); **H02P 3/22** (2013.01 - EP US); **H02P 27/06** (2013.01 - US); **H02P 29/68** (2016.02 - US); **B60L 7/22** (2013.01 - US); **B60L 2210/30** (2013.01 - US); **B60L 2210/40** (2013.01 - US); **B60L 2240/421** (2013.01 - US); **B60L 2240/54** (2013.01 - US); **B60L 2240/545** (2013.01 - US); **H02M 1/322** (2021.05 - EP)

Citation (search report)

See references of WO 2022122382A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

**WO 2022122382 A1 20220616**; CN 116601041 A 20230815; DE 102020215604 A1 20220615; EP 4259470 A1 20231018; US 2024022187 A1 20240118

DOCDB simple family (application)

**EP 2021082780 W 20211124**; CN 202180083362 A 20211124; DE 102020215604 A 20201210; EP 21819803 A 20211124; US 202118255470 A 20211124