

Title (en)

METHOD FOR CONTROLLING AN OUTPUT POWER OF A BATTERY DEVICE AND AN OPERATING POWER OF A FUEL CELL SYSTEM

Title (de)

KONTROLLVERFAHREN FÜR EINE KONTROLLE EINER ABGABELEISTUNG EINER BATTERIEVORRICHTUNG UND EINER BETRIEBSLEISTUNG EINES BRENNSTOFFZELLENSYSTEMS

Title (fr)

PROCÉDÉ DE CONTRÔLE POUR CONTRÔLER UNE PUISSANCE DE SORTIE D'UN ENSEMBLE BATTERIE ET UNE PUISSANCE DE FONCTIONNEMENT D'UN SYSTÈME DE PILE À COMBUSTIBLE

Publication

EP 4351920 A1 20240417 (DE)

Application

EP 22776855 A 20220809

Priority

- AT 506512021 A 20210810
- AT 2022060279 W 20220809

Abstract (en)

[origin: WO2023015329A1] The present invention relates to a method for controlling an output power (AL) of a battery device (110) and an operating power (BL) of a fuel cell system (120) for an electric drive device (130) of a hybrid drive system (100), characterised by the following steps: - measuring and storing the operating power (BL) of the fuel cell system (120) over a measuring period (EZ), - measuring and storing the output power (AL) of the battery device (110) over a measuring period (EZ), - determining a battery damage prediction (BASP) at least on the basis of the measured and stored output power (AL) of the battery device (110), - determining a fuel cell damage prediction (BZSP) at least on the basis of the measured and stored operating power (BL) of the fuel cell system (120), - specifying a target output power (SAL) for the battery device (110) on the basis of the determined battery damage prediction (BASP), - specifying a target operating power (SBL) for the fuel cell system (120) on the basis of the determined fuel cell damage prediction (BZSP).

IPC 8 full level

B60L 58/40 (2019.01); **B60L 58/16** (2019.01)

CPC (source: AT EP)

B60L 3/0046 (2013.01 - EP); **B60L 3/0053** (2013.01 - EP); **B60L 3/12** (2013.01 - EP); **B60L 50/61** (2019.02 - AT); **B60L 58/16** (2019.02 - AT EP); **B60L 58/30** (2019.02 - AT); **B60L 58/40** (2019.02 - AT EP); **B60W 10/26** (2013.01 - AT); **H02J 7/005** (2020.01 - AT); **H02J 7/007** (2013.01 - AT); **B60L 2260/50** (2013.01 - EP); **B60W 20/00** (2013.01 - AT); **B60W 2510/248** (2013.01 - AT); **H02J 7/0048** (2020.01 - AT); **Y02E 60/50** (2013.01 - EP); **Y02T 10/62** (2013.01 - AT); **Y02T 10/70** (2013.01 - AT)

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 2023015329 A1 20230216; AT 525061 A4 20221215; AT 525061 B1 20221215; CN 117794780 A 20240329; EP 4351920 A1 20240417; JP 2024530663 A 20240823

DOCDB simple family (application)

AT 2022060279 W 20220809; AT 506512021 A 20210810; CN 202280055438 A 20220809; EP 22776855 A 20220809; JP 2024507862 A 20220809