

Title (en)

METHOD AND DEVICE FOR MONITORING THE STATE OF HEALTH OF A CONTACTOR

Title (de)

VERFAHREN UND VORRICHTUNG ZUM ÜBERWACHEN DES ALTERUNGSZUSTANDS EINES SCHÜTZES

Title (fr)

PROCÉDÉ ET DISPOSITIF DE SURVEILLANCE DE L'ÉTAT DE SANTÉ D'UN COMMUTATEUR MÉCANIQUE

Publication

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Application

EP 21712139 A 20210312

Priority

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Abstract (en)

[origin: WO2021180923A1] The present invention relates to a method for monitoring the state of health of at least one contactor (1, 2) in a battery pack (3), wherein the battery pack (3) has at least one battery cell (4) for the electrochemical storage of electrical energy as well as a first interface line (5) and a second interface line (6) for providing the electrical energy at an interface (7), wherein at least one switchable first contactor (1) is arranged in the first interface line (5) between the interface (7) and the at least one battery cell (4) and at least one switchable second contactor (2) is arranged in the second interface line (6) between the interface (7) and the at least one battery cell (4), having the steps of measuring a first differential voltage (Udif, 1) across the open first contactor (1) and/or measuring a second differential voltage (Udif, 2) across the open second contactor (2) and monitoring the state of health of the first contactor (1) on the basis of the measured first differential voltage (Udif, 1) and/or determining the state of health of the second contactor (2) on the basis of the measured second differential voltage (Udif, 2).

IPC 8 full level

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