

Title (en)

METHOD AND DEVICE FOR DETECTING A SHORT-CIRCUIT

Title (de)

VERFAHREN UND VORRICHTUNG ZUM ERKENNEN EINES KURZSCHLUSSES

Title (fr)

PROCÉDÉ ET DISPOSITIF DESTINÉS À DÉCELER LA PRÉSENCE D'UN COURT-CIRCUIT

Publication

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Application

EP 11779366 A 20111020

Priority

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Abstract (en)

[origin: WO2012052517A1] The invention relates to a method for detecting a short-circuit in a charge cable (10) which can be connected to an electric charging device (15) and the purpose of which is to charge a battery (3) of an electric vehicle (1). In this method, a first voltage value is selected for a test voltage. By applying this test voltage to the charge cable (10), testing is carried out to determine whether there is a short-circuit in the charge cable (10) or in a contact means (7, 23) connected to the charge cable. If there is a short-circuit, a fault signal is output; if there is no short-circuit, the test voltage is increased incrementally up to a maximum voltage value. The increased test voltage is used to test whether there is a short-circuit in the charge cable (10) or in the contact means (7, 23) connected to the charge cable.

IPC 8 full level

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