

Title (en)
INSULATION MEASUREMENT FOR A BATTERY SYSTEM

Title (de)
ISOLATIONSMESSUNG FÜR EIN BATTERIESYSTEM

Title (fr)
MESURE D'ISOLATION POUR UN SYSTÈME DE BATTERIE

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Application
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Abstract (en)
[origin: WO2017125434A1] The invention relates to a circuit arrangement (1) for monitoring the electrical insulation in a battery system in relation to an electrical ground potential (4) with a battery having at least one battery and/or accumulator cell. The battery system has a respective supply line (2, 3) electrically connected to the positive pole and the negative pole of the battery, wherein the supply lines (2, 3) are provided for electrical connection with at least one electrical consumer. For the circuit arrangement (1), a first connection line (5), in which a first electrical resistor (7) is arranged, is provided from the one supply line (2) to the ground (4). A second connection line (6), in which a further electrical resistor (8) is arranged, is also provided from the other supply line (3) to the ground (4). Finally, a measuring device (12) for measuring the electrical current (13, 14) flowing in the respective two connection lines (5, 6) is provided, such that the quality of the electrical insulation can be determined based on the size of the flowing electrical currents (13, 14). The invention also relates to a method for monitoring the insulation in the battery system.

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