

Title (en)
CIRCUIT BREAKER DEVICE AND METHOD

Title (de)
SCHUTZSCHALTGERÄT UND VERFAHREN

Title (fr)
APPAREIL DISJONCTEUR DE PROTECTION ET PROCÉDÉ

Publication
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Application
EP 21839959 A 20211216

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Abstract (en)
[origin: WO2022136091A1] The invention relates to a circuit breaker device for protecting an electric low-voltage current circuit, wherein the level of the voltage of the low-voltage current circuit is ascertained such that ascertained voltage values are provided, a differential voltage is ascertained from the ascertained voltage values and an expected value of the voltage such that differential voltage values are provided incrementally, each differential voltage value (DU) is compared with a first threshold, and if at least two successive differential voltage values (DU) exceed the threshold, an interruption of the low-voltage current circuit is initiated by means of semiconductor-based switching elements, which are set to a high-ohmic state, in order to protect the low-voltage current circuit from a short-circuit.

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Citation (search report)
See references of WO 2022136091A1

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