

Title (en)

SHORT-CIRCUIT PROTECTION DEVICE AND SWITCHING SYSTEM HAVING SUCH SHORT-CIRCUIT PROTECTION DEVICES

Title (de)

KURZSCHLUSS-SCHUTZVORRICHTUNG UND SCHALTANLAGE MIT DERARTIGEN SCHUTZVORRICHTUNGEN

Title (fr)

DISPOSITIF DE PROTECTION CONTRE LES COURTS-CIRCUITS ET CIRCUITERIE PRÉSENTANT UN DISPOSITIF DE PROTECTION DE CE TYPE

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2010089338A2] The invention relates to a short-circuit protection device (1) for limiting, preferably also deactivating, short-circuit currents in high energy direct current networks (5), in particular short-circuit currents of battery systems in submarine direct current networks, comprising - an electrical resistor (9), in particular an ohmic resistor, to conduct and limit the short-circuit current in the case of a short-circuit, - a first switch (10) connected parallel to the resistor for bridging the resistor (9) when the network (5) is free of short-circuit, - a monitoring and control arrangement (11) for monitoring the current I by the switch (10) and for opening the switch (10) if the current I through the switch (10) exceeds a specified threshold value.

IPC 8 full level

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H02H 3/025 (2013.01 - EP US); **H02H 3/087** (2013.01 - KR); **B63G 8/08** (2013.01 - EP US); **H02H 3/087** (2013.01 - EP US)

Citation (search report)

See references of WO 2010089338A2

Citation (examination)

- US 2008304198 A1 20081211 - CHISHIMA YUKI [JP]
- US 4354215 A 19821012 - VAN DER SCHEER DÈRK

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