

Title (en)

METHOD FOR OPERATING A SWITCH WITH A CONNECTABLE CURRENT LIMITER AND CORRESPONDING ARRANGEMENT

Title (de)

VERFAHREN ZUM BETREIBEN EINES SCHALTGERÄTES MIT EINEM ZUSCHALTbaren STROMBEGRENZER UND ZUGEHÖRIGE ANORDNUNG

Title (fr)

PROCEDE POUR FAIRE FONCTIONNER UN COMMUTATEUR PRESENTANT UN LIMITEUR DE COURANT QUI PEUT ETRE RACCORDE ET DISPOSITIF ASSOCIE

Publication

EP 1384240 B1 20070808 (DE)

Application

EP 02761863 A 20020404

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Abstract (en)

[origin: WO02084688A1] Methods for operating a power switch with at least one main current path and associated secondary current path with an arc extinguisher are known from the art. A current limiter can be used which switches from non-current limiting operation to the current limiting operation at high current loads. The invention is characterized by measures for returning the current limiter during the transition from the current limiting operation to the non-current limiting operation. Specifically power switches are provided with measures for preventing a recombination of the arc from the secondary current path to the main current path and/or measures for returning the current limiter during the recombination of the light art. A corresponding arrangement for carrying out the inventive method is provided with means (30 to 50) in the power switch (20) and/or current limiter (1) for preventing a switch failure of the current limiter (1) disposed in the secondary current path of the power switch (20). The current limiter can be especially a PTC current limiter (1).

IPC 8 full level

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WO 02084688 A1 20021024; CN 1248253 C 20060329; CN 1509484 A 20040630; DE 10118746 A1 20021114; DE 10118746 B4 20040624; DE 50210638 D1 20070920; EP 1384240 A1 20040128; EP 1384240 B1 20070808; JP 2004529469 A 20040924; JP 4467887 B2 20100526; US 2004150932 A1 20040805; US 7259944 B2 20070821

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