

Title (en)
SHORT-CIRCUIT CURRENT LIMITER

Title (de)
KURZSCHLUSSSTROMBEGRENZER

Title (fr)
LIMITEUR DE COURANT DE COURT-CIRCUIT

Publication
EP 2059987 A1 20090520 (DE)

Application
EP 06775944 A 20060906

Priority
DE 2006001586 W 20060906

Abstract (en)
[origin: WO2008028435A1] In order to provide a power semiconductor module (2) for power distribution and transmission, having a power semiconductor circuit (18) which is connected via connecting lines (19, 20) to an energy store (11), which limits the current amplitudes that occur in the electrical fault and effectively protects the power electronics, it is proposed that the connecting lines (18, 19) have a weak point (15, 21) which breaks when the current load is above a threshold value, with the connecting lines (18, 19) furthermore having a resistance (16) which is connected in parallel with the weak point (15, 21).

IPC 8 full level
H02H 7/122 (2006.01); **H02H 9/02** (2006.01)

CPC (source: EP US)
H01H 85/0241 (2013.01 - EP US); **H02H 7/122** (2013.01 - EP US); **H02H 9/02** (2013.01 - EP US); **H02M 7/4835** (2021.05 - EP US); **H01H 9/42** (2013.01 - EP US); **H01H 85/044** (2013.01 - EP US); **H01H 2085/0283** (2013.01 - EP US); **H01H 2085/385** (2013.01 - EP US); **H01H 2085/386** (2013.01 - EP US); **H01L 2924/0002** (2013.01 - EP US); **H02H 3/021** (2013.01 - EP US)

Citation (search report)
See references of WO 2008028435A1

Citation (examination)
JP 2003333860 A 20031121 - TOSHIBA ELEVATOR CO LTD

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK RS

DOCDB simple family (publication)
WO 2008028435 A1 20080313; CN 101512862 A 20090819; CN 101512862 B 20151125; DE 112006004119 A5 20090813; EP 2059987 A1 20090520; JP 2010503221 A 20100128; JP 5202528 B2 20130605; US 2009262477 A1 20091022; US 8149555 B2 20120403

DOCDB simple family (application)
DE 2006001586 W 20060906; CN 200680055780 A 20060906; DE 112006004119 T 20060906; EP 06775944 A 20060906; JP 2009527002 A 20060906; US 44024909 A 20090306