Title (en)

SURGE PROTECTION DEVICE HAVING SHORT-CIRCUIT CURRENT PROTECTION FUNCTION

Title (de)

ÜBERSPANNUNGSSCHUTZVORRICHTUNG MIT SCHUTZFUNKTION GEGEN KURZSCHLUSSSTROM

Title (fr)

DISPOSITIF DE PROTECTION CONTRE LES SURTENSIONS AYANT UNE FONCTION DE PROTECTION CONTRE LES COURANTS DE COURT-CIRCUIT

Publication

EP 2919254 A1 20150916 (EN)

Application

EP 12887906 A 20121112

Priority

CN 2012084450 W 20121112

Abstract (en)

A surge protection device (100) with short-circuit protection function. The surge protection device comprises a surge protection module (102) and a short-circuit current protection module (101). The surge protection module discharges and suppresses a surge current and voltage, and the surge protection module is a plug-in type module. The short-circuit current protection module is integrated in a pedestal, and the short-circuit current protection module provides short-circuit protection and plug-in mounting for the surge protection module. The surge protection device overcomes the problems such as impact current brought by using an external overcurrent protection device as backup protection, while the surge protection device has a strong current limiting capacity, a good short-circuit breaking capacity, and a small minimal instantaneous tripping current value. The surge protection device can withstand a failure mode occurring in a temporary overvoltage (TOV), and can also play the role of protection in the case of a low current.

IPC 8 full level

H01H 71/00 (2006.01); **H01H 83/10** (2006.01); **H02H 9/04** (2006.01)

CPC (source: CN EP)

H01H 83/10 (2013.01 - CN EP); H01H 1/54 (2013.01 - EP); H01H 9/346 (2013.01 - EP); H01H 71/0228 (2013.01 - EP)

Cited by

US10468871B2

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 2919254 A1 20150916; **EP 2919254 A4 20160810**; **EP 2919254 B1 20200226**; CN 104813432 A 20150729; CN 104813432 B 20170222; CN 106783431 A 20170531; CN 106783431 B 20180907; CY 1123104 T1 20211029; ES 2791039 T3 20201030; WO 2014071628 A1 20140515

DOCDB simple family (application)

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