

Title (en)
VARISTOR COMPRISING A DISCONNECTING DEVICE

Title (de)
VARISTOR MIT EINER ABTRENNVORRICHTUNG

Title (fr)
VARISTANCE POURVUE D'UN DISPOSITIF DE COUPURE

Publication
EP 3323131 A1 20180523 (DE)

Application
EP 16748065 A 20160713

Priority
• DE 102015213050 A 20150713
• EP 2016066580 W 20160713

Abstract (en)
[origin: WO2017009355A1] The invention relates to a varistor (1) comprising a disconnecting device (A) which can interrupt the flow of current through the varistor (1) in case of a fault. The disconnecting device (A) includes a terminal contact (5) that establishes an electrical contact with a first terminal (2) of the varistor (1), the electrical contact being secured by a thermally softenable holding device (4). The disconnecting device (A) further includes a separating means (6) which is biased by an energy accumulator (7) and which, in case of a fault, mechanically separates the terminal contact (5) from the first terminal (2) of the varistor (1) when the thermally softenable holding device (4) softens. The separating means (6) is resistive in order to limit the current flowing through the varistor (1) and prevent electric arcs from forming.

IPC 8 full level
H01C 7/12 (2006.01); **H01H 37/76** (2006.01); **H01T 1/14** (2006.01); **H02H 9/04** (2006.01)

CPC (source: CN EP RU US)
H01C 7/12 (2013.01 - RU); **H01C 7/126** (2013.01 - CN EP US); **H01H 37/76** (2013.01 - CN EP US); **H01H 71/08** (2013.01 - US); **H01T 1/14** (2013.01 - CN EP US); **H01H 9/32** (2013.01 - EP US); **H01H 2037/762** (2013.01 - EP US); **H01H 2235/01** (2013.01 - US)

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)
WO 2017009355 A1 20170119; CN 107820632 A 20180320; CN 107820632 B 20190723; DE 102015213050 A1 20170119; EP 3323131 A1 20180523; EP 3323131 B1 20200617; RU 2668232 C1 20180927; US 10229774 B2 20190312; US 2018190414 A1 20180705

DOCDB simple family (application)
EP 2016066580 W 20160713; CN 201680035489 A 20160713; DE 102015213050 A 20150713; EP 16748065 A 20160713; RU 2018102968 A 20160713; US 201615739279 A 20160713