

Title (en)

ANTI-SURGE WIRE WOUND LOW TEMPERATURE FUSE RESISTOR AND MANUFACTURING METHOD THEREOF

Title (de)

MIT ÜBERSpannungSSchutzdraht gewickelter Niedrigtemperatursicherungswiderstand und Herstellungsverfahren dafür

Title (fr)

RÉSISTANCE FUSIBLE À BASSE TEMPÉRATURE ENROULÉE SUR UN FIL ANTI-SURTENSION ET SON PROCÉDÉ DE FABRICATION

Publication

**EP 3646354 A4 20210303 (EN)**

Application

**EP 17915319 A 20170629**

Priority

CN 2017090733 W 20170629

Abstract (en)

[origin: WO2019000306A1] A fuse resistor includes an insulative rod, a first winding wire, a second winding wire and a connection wire. The insulative rod has a first end and a second end. The first winding wire winds the insulative rod from the first end, and one end of the first winding wire is welded on a first cap. The second winding wire winds the insulative rod from the second end, and one end of the second winding wire is welded on a second cap. The connection wire is disposed between the first winding wire and the second winding wire. The melting point of the connection wire is lower than the melting point of the first winding wire and the second winding wire. The first winding wire and the second winding wire are disconnected from each other, and electrically connected through the connection wire. The fuse resistor further includes a first electrical cover layer electrically connecting the end of the first winding wire to the first cap, and a second electrical cover layer electrically connecting the end of the second winding wire to the second cap, for enhancing fixing of the first winding wire and the second winding wire and increasing anti-surge effect.

IPC 8 full level

**H01C 3/20** (2006.01)

CPC (source: EP KR)

**H01C 3/20** (2013.01 - EP KR); **H01C 17/04** (2013.01 - KR); **H01C 17/28** (2013.01 - KR); **H01H 37/00** (2013.01 - KR); **H01H 85/0241** (2013.01 - EP KR); **H01H 85/048** (2013.01 - EP KR)

Citation (search report)

- [Y] JP S62190305 U 19871203
- [Y] US 2016086757 A1 20160324 - XU ZHONGHOU [CN]
- [YA] JP H08250301 A 19960927 - KYOSAN ELECTRIC MFG, et al
- [Y] EP 3096332 A1 20161123 - FIRST RESISTOR CONDENSER CO LTD [TW]
- See references of WO 2019000306A1

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

DOCDB simple family (publication)

**WO 2019000306 A1 20190103**; CN 110622260 A 20191227; CN 110622260 B 20211022; CN 110622260 B8 20211126; EP 3646354 A1 20200506; EP 3646354 A4 20210303; JP 2020526042 A 20200827; JP 6836669 B2 20210303; KR 20200024258 A 20200306

DOCDB simple family (application)

**CN 2017090733 W 20170629**; CN 201780088781 A 20170629; EP 17915319 A 20170629; JP 2019572714 A 20170629; KR 20207002632 A 20170629