

Title (en)
Surge arrester with insulation by gas

Title (de)
Gasisolierter Überspannungsableiter

Title (fr)
Limiteur de surtensions avec isolation au gaz

Publication
EP 1603141 B1 20160824 (DE)

Application
EP 04405344 A 20040604

Priority
EP 04405344 A 20040604

Abstract (en)
[origin: EP1603141A1] The arrester has an isolated gas filled enclosure (1) made of electrically conductive material, and an active component (2) arranged in the enclosure and aligned along the axis of the enclosure. The component has varistors that are clamped by a clamping unit and form a mechanically stable varistor column (3). The unit has a loop, which is made up of an isolated gas resistant material and supported on two electrodes of the component.

IPC 8 full level
H01C 7/10 (2006.01); **H01C 7/12** (2006.01); **H02H 1/00** (2006.01)

CPC (source: EP KR US)
H01C 7/10 (2013.01 - EP US); **H01T 4/02** (2013.01 - KR)

Cited by
DE102007027411A1; EP2466596A1; RU2496203C2; EP2713375A1; US9396848B2; WO2008104510A1; WO2008151857A1; WO2014173462A1

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

DOCDB simple family (publication)
EP 1603141 A1 20051207; EP 1603141 B1 20160824; CN 1707705 A 20051214; CN 1707705 B 20110330; JP 2005347753 A 20051215; KR 101122645 B1 20120309; KR 20060048160 A 20060518; US 2005270719 A1 20051208; US 7369390 B2 20080506

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EP 04405344 A 20040604; CN 200510075209 A 20050603; JP 2005162562 A 20050602; KR 20050047644 A 20050603; US 13653705 A 20050525