

Title (en)

VOLTAGE-DEPENDENT ELECTRIC RESISTANCE (VARISTOR)

Publication

EP 0189087 B1 19880622 (DE)

Application

EP 86100376 A 19860113

Priority

DE 3501419 A 19850117

Abstract (en)

[origin: US4675644A] A voltage-dependent resistor or varistor is composed of a monolithic ceramic body made up of a plurality of layers of varistor material containing zinc oxide, alternating with layers of precious metal serving as coatings on the layers and which are alternately electrically connected to separate locations on the exterior surfaces of the body. The porosity of the layers of varistor material does not exceed 5%; the proportion of bismuth is at most 1 mol %; and the precious metal coatings include 50-80% by weight of palladium.

IPC 1-7

H01C 7/10

IPC 8 full level

H01C 7/10 (2006.01); **H01C 7/102** (2006.01); **H01C 7/112** (2006.01); **H01C 17/065** (2006.01)

CPC (source: EP US)

H01C 7/1006 (2013.01 - EP US); **H01C 7/102** (2013.01 - EP US); **H01C 7/112** (2013.01 - EP US); **H01C 17/06546** (2013.01 - EP US)

Cited by

DE4030479A1; US4819128A; FR2659785A1; US4906512A; US5973588A; US5500996A; EP0316015A3; US4920328A; US6743381B2; US6444504B1; WO9821754A1; US10262778B2; US10566115B2

Designated contracting state (EPC)

AT CH DE FR GB IT LI SE

DOCDB simple family (publication)

EP 0189087 A1 19860730; **EP 0189087 B1 19880622**; AT E35344 T1 19880715; DE 3660342 D1 19880728; JP H0353761 B2 19910816; JP S61170005 A 19860731; US 4675644 A 19870623

DOCDB simple family (application)

EP 86100376 A 19860113; AT 86100376 T 19860113; DE 3660342 T 19860113; JP 615086 A 19860114; US 81786486 A 19860113