

Title (en)

RESISTOR, IN PARTICULAR THICK-FILM RESISTOR

Title (de)

WIDERSTAND, INSBESONDERE DICKSCHICHTWIDERSTAND

Title (fr)

RÉSISTANCE, EN PARTICULIER RÉSISTANCE À COUCHE ÉPAISSE

Publication

EP 4374395 A1 20240529 (DE)

Application

EP 22754815 A 20220719

Priority

- EP 21186518 A 20210719
- EP 2022070269 W 20220719

Abstract (en)

[origin: WO2023001856A1] The invention relates to a resistor (1), in particular a thick-film resistor, in particular for a high-voltage system (2) of a motor vehicle, having a nominal power of at least 10 watts, comprising: at least two electrical resistor terminals (8a, 8b); a ceramic substrate (5); and a resistor element (3) which is electrically provided between the two resistor terminals (8a, 8b) and which is made of a thick-film material (4) applied to the ceramic substrate (5), the resistor element (3) having a temperature coefficient (TCR). In order to make it easier to monitor discharge via the resistor (1), according to the invention the temperature coefficient (TCR) is >700 ppm/K, in particular >1000 ppm/K.

IPC 8 full level

H01C 7/00 (2006.01); **H01C 7/02** (2006.01); **H01C 7/06** (2006.01); **H01C 17/065** (2006.01)

CPC (source: EP)

H01C 7/003 (2013.01); **H01C 7/06** (2013.01); **H01C 17/06533** (2013.01); **H01C 7/023** (2013.01)

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

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

WO 2023001856 A1 20230126; EP 4374395 A1 20240529

DOCDB simple family (application)

EP 2022070269 W 20220719; EP 22754815 A 20220719