

Title (en)

Electrical assembly comprising PTC-resistor elements

Title (de)

Elektrische Baugruppe mit PTC-Widerstandselementen

Title (fr)

Composant électrique comprenant des éléments de résistance PTC

Publication

EP 1921637 A3 20090114 (DE)

Application

EP 07120093 A 20071106

Priority

DE 102006053081 A 20061110

Abstract (en)

[origin: EP1921637A2] The component has two positive temperature coefficient resistance units (11, 12, 13, 14), which exhibit a flat designed base plate with electrodes on a main surface. A printed circuit board (2) exhibits a spacer (23) for positioning the base plate, where breadth of the spacer is adjusted equal to the distance between electrodes of adjacent resistance units, where the electrodes faces each other. A connection wire is fixed at each electrode of the resistance units. Openings are formed in the printed circuit board, where the connecting wires are guided through the openings.

IPC 8 full level

H01C 7/02 (2006.01); **H01C 1/14** (2006.01)

CPC (source: EP US)

H01C 1/14 (2013.01 - EP US); **H01C 7/02** (2013.01 - EP US)

Citation (search report)

- [A] EP 0487920 A1 19920603 - ASEA BROWN BOVERI [SE]
- [A] EP 0443618 A2 19910828 - MURATA MANUFACTURING CO [JP]
- [A] WO 2004028126 A1 20040401 - EPCOS AG [DE], et al

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK RS

DOCDB simple family (publication)

EP 1921637 A2 20080514; **EP 1921637 A3 20090114**; CN 101178960 A 20080514; CN 101178960 B 20110525; DE 102006053081 A1 20080515; US 2009237199 A1 20090924; US 7986214 B2 20110726

DOCDB simple family (application)

EP 07120093 A 20071106; CN 200710159619 A 20071109; DE 102006053081 A 20061110; US 93709807 A 20071108