

Title (en)

Device with at least one ptc resistor

Title (de)

Einrichtung mit wenigstens einem Kaltleiter

Title (fr)

Dispositif doté d'au moins une résistance à coefficient de température positif

Publication

EP 2051561 B1 20150429 (DE)

Application

EP 08017977 A 20081014

Priority

DE 102007049555 A 20071016

Abstract (en)

[origin: EP2051561A1] The device (10) has a ceramic positive temperature coefficient thermistor (30) dimensioned in such a manner that voltage drop does not exceed more than 40 voltage/millimeter over the thermistor, which is developed from multiple positive temperature coefficient thermistor elements (32) formed in rows and parallel. The thermistor elements exhibit a thickness of approximately 2 millimeter and breadth of approximately 6 millimeter. The thermistor elements are implemented as ceramic components with non-linear resistance characteristics.

IPC 8 full level

H05B 3/50 (2006.01); **B60H 1/22** (2006.01); **F24H 3/04** (2006.01); **H05B 3/14** (2006.01)

CPC (source: EP US)

F24H 3/0405 (2013.01 - EP US); **F24H 3/0429** (2013.01 - EP US); **F24H 3/0435** (2013.01 - EP US); **F24H 3/0447** (2013.01 - EP US); **F24H 3/0452** (2013.01 - EP US); **F24H 9/1872** (2013.01 - EP US); **H05B 3/141** (2013.01 - EP US); **H05B 3/50** (2013.01 - EP US); **H05B 2203/02** (2013.01 - EP US)

Designated contracting state (EPC)

DE ES FR GB IT

DOCDB simple family (publication)

EP 2051561 A1 20090422; **EP 2051561 B1 20150429**; CA 2640987 A1 20090416; CA 2640987 C 20151201; CN 101413718 A 20090422; DE 102007049555 A1 20090423; JP 2009099992 A 20090507; RU 2008140989 A 20100420; RU 2488983 C2 20130727; US 2009121824 A1 20090514; US 8212647 B2 20120703

DOCDB simple family (application)

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