

Title (en)
Aluminium load resistor

Title (de)
Aluminium-Lastwiderstand

Title (fr)
Résistance de charge en aluminium

Publication
EP 2182529 A3 20100728 (DE)

Application
EP 09013450 A 20091024

Priority
DE 202008014586 U 20081103

Abstract (en)
[origin: EP2182528A2] The resistor has a resistor coil (1) embedded in a highly compressed insulated package (10). A metal casing pipe (5) is arranged in a hollow chamber (12) of a cooling body (13) made of aluminum alloy. The hollow chamber is adjusted with respect to the cross-section and length of the metal casing pipe. The metal casing pipe is axially fixed by radial fixing elements (20) such that the metal casing pipe is moved in the chamber depending on temperature without changing axial position by the fixing elements. The fixing elements project the cross-sectional profile of the metal casing pipe.

IPC 8 full level
H01C 1/036 (2006.01); **H01C 1/08** (2006.01); **H01C 1/084** (2006.01); **H01C 3/20** (2006.01); **H01C 17/22** (2006.01); **H05B 3/44** (2006.01)

CPC (source: EP)
H01C 1/01 (2013.01); **H01C 1/02** (2013.01); **H01C 1/036** (2013.01); **H01C 1/08** (2013.01); **H01C 1/084** (2013.01); **H01C 3/20** (2013.01); **H01C 17/22** (2013.01); **H05B 3/44** (2013.01)

Citation (search report)
• [A] US 7012226 B1 20060314 - GEORGE WILLIAM J [US]
• [A] DE 9405513 U1 19940721 - TUERK & HILLINGER GMBH [DE]

Cited by
CN103280283A; US10854360B2; JP2014157891A

Designated contracting state (EPC)
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 SE SI SK SM TR

Designated extension state (EPC)
AL BA RS

DOCDB simple family (publication)
DE 202008014586 U1 20090129; AT E504068 T1 20110415; AT E505800 T1 20110415; DE 202009004058 U1 20090604;
DE 502009000500 D1 20110512; DE 502009000539 D1 20110526; DK 2182528 T3 20110718; DK 2182529 T3 20110718;
EP 2182528 A2 20100505; EP 2182528 A3 20100728; EP 2182528 B1 20110330; EP 2182529 A2 20100505; EP 2182529 A3 20100728;
EP 2182529 B1 20110413

DOCDB simple family (application)
DE 202008014586 U 20081103; AT 09013450 T 20091024; AT 09013457 T 20091026; DE 202009004058 U 20090326;
DE 502009000500 T 20091026; DE 502009000539 T 20091024; DK 09013450 T 20091024; DK 09013457 T 20091026;
EP 09013450 A 20091024; EP 09013457 A 20091026