

Title (en)  
Device for securing a load resistor

Title (de)  
Vorrichtung zum Befestigen eines Lastwiderstandes

Title (fr)  
Dispositif de fixation d'une résistance de charge

Publication  
**EP 2182528 A3 20100728 (DE)**

Application  
**EP 09013457 A 20091026**

Priority  
• DE 202008014586 U 20081103  
• DE 202009004058 U 20090326

Abstract (en)  
[origin: EP2182529A2] 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 1/01** (2006.01); **H01C 1/02** (2006.01); **H01C 3/20** (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] JP 2001185407 A 20010706 - SEIDEN TECHNO CO LTD  
• [A] GB 1058537 A 19670215 - DALE ELECTRONICS  
• [A] JP H0831602 A 19960202 - TOKAI KONETSU KOGYO KK

Cited by  
CN110461049A; CN108882393A; CN110770857A; KR20200021509A

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;  
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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