

Title (en)  
THERMAL FUSE

Title (de)  
THERMOSICHERUNG

Title (fr)  
FUSIBLE THERMIQUE

Publication  
**EP 2301053 A1 20110330 (DE)**

Application  
**EP 09779728 A 20090612**

Priority  
• EP 2009057255 W 20090612  
• DE 102008040345 A 20080711

Abstract (en)  
[origin: WO2010003758A1] The invention relates to a thermal fuse (1) for interrupting a power flow in modules, particularly for use in the automotive field, comprising: - a connecting element having a connecting region, - a fusible element (3) composed of fusible material and attached with one end to the connecting region (2) in order to establish an electrically conductive connection between the fusible element (3) and the connecting element (2), the connecting element (2) comprising an expansion region for accommodating melted fusible material, characterized in that the expansion region has an expansion surface (6) on which part of or all of the melted fusible material spreads as the fusible element melts, the expansion surface (6) having no positive curvature.

IPC 8 full level  
**H01H 37/76** (2006.01)

CPC (source: EP KR US)  
**H01H 37/76** (2013.01 - KR); **H01H 37/761** (2013.01 - EP US); **H01H 85/04** (2013.01 - KR)

Citation (search report)  
See references of WO 2010003758A1

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 TR

Designated extension state (EPC)  
AL BA RS

DOCDB simple family (publication)  
**DE 102008040345 A1 20100114**; CN 102089846 A 20110608; EP 2301053 A1 20110330; EP 2301053 B1 20130814; JP 2011527493 A 20111027; JP 5269197 B2 20130821; KR 20110049772 A 20110512; US 2011181385 A1 20110728; WO 2010003758 A1 20100114

DOCDB simple family (application)  
**DE 102008040345 A 20080711**; CN 200980126710 A 20090612; EP 09779728 A 20090612; EP 2009057255 W 20090612; JP 2011517058 A 20090612; KR 20117000669 A 20090612; US 200913003708 A 20090612