

Title (en)

Housing for connecting electrical lines between a film conductor and a conductor

Title (de)

Gehäuse zur elektrischen Leitungsverbindung zwischen einem Folienleiter und einem Leiter

Title (fr)

Boîtier de connexion de ligne électrique entre un film conducteur et un conducteur

Publication

EP 2418745 A1 20120215 (DE)

Application

EP 10172257 A 20100809

Priority

EP 10172257 A 20100809

Abstract (en)

The housing (7) has an electrical line connection part arranged between a rounded cable (4) and a foil conductor (1). A leading edge is rounded in an inlet opening of the housing such that the inlet opening is outwardly extended. A rounded region of the leading edge runs parallel to a broad side of the foil conductor and represents an angle segment with an angle ranging from 135 degrees to 180 degrees. Curvature radius of the rounded region of the leading edge is about 0.5 to 20 mm. The housing consists of electrically isolated material e.g. thermoplastic material. An independent claim is also included for a process for producing a housing.

Abstract (de)

Die vorliegende Erfindung betrifft ein Gehäuse (7) mit einer elektrischen Leitungsverbindung zwischen einem Leiter (4) und einem Folienleiter (1), wobei die Eintrittsöffnung (8) des Gehäuses (7) für den Folienleiter (1) an ihren Eintrittskanten (9, 9') mindestens einseitig derart abgerundet ist, dass sich die Eintrittsöffnung (8) nach außen zunehmend erweitert.

IPC 8 full level

H01R 13/56 (2006.01); **H01R 12/59** (2011.01); **H01R 12/77** (2011.01)

CPC (source: EP KR US)

H01R 12/00 (2013.01 - US); **H01R 12/63** (2013.01 - EP KR US); **H01R 12/772** (2013.01 - EP US); **H01R 13/56** (2013.01 - EP KR US); **H01R 43/00** (2013.01 - KR); **H01R 43/20** (2013.01 - US); **H01R 13/5845** (2013.01 - EP US); **Y10T 29/49208** (2015.01 - EP US)

Citation (applicant)

- DE 4235063 A1 19940421 - VER GLASWERKE GMBH [DE]
- DE 202004019286 U1 20060420 - SAINT GOBAIN SEKURIT D GMBH [DE]
- DE 9313394 U1 19931028 - VER GLASWERKE GMBH [DE]
- DE 19960450 C1 20010523 - SAINT GOBAIN [DE]
- EP 0593940 A1 19940427 - SAINT GOBAIN VITRAGE [FR], et al
- US 5724730 A 19980310 - TANAKA YOSHIYUKI [JP]
- EP 1058349 A1 20001206 - SUMITOMO WIRING SYSTEMS [JP]
- DE 19944493 A1 20010322 - GROTE & HARTMANN [DE]
- DE 10006112 A1 20010816 - DRAEXLMAIER LISA GMBH [DE]
- DE 10065354 A1 20020704 - GROTE & HARTMANN [DE]
- DE 10353807 A1 20050623 - BROSE FAHRZEUGTEILE [DE]

Citation (search report)

- [X] JP H10116659 A 19980506 - SUMITOMO WIRING SYSTEMS
- [XY] EP 1437799 A1 20040714 - JAPAN AVIATION ELECTRONICS IND LTD [JP], et al
- [X] US 4900269 A 19900213 - LYNCH THOMAS M [US]
- [X] WO 8902172 A1 19890309 - NCR CO [US]
- [Y] US 5724730 A 19980310 - TANAKA YOSHIYUKI [JP]
- [A] US 3737833 A 19730605 - JEROMINEK R

Cited by

EP4387004A1

Designated contracting state (EPC)

AL 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)

BA ME RS

DOCDB simple family (publication)

EP 2418745 A1 20120215; BR 112013001887 A2 20160524; BR 112013001887 B1 20210817; CN 103038953 A 20130410; CN 103038953 B 20170503; EA 029574 B1 20180430; EA 201390227 A1 20130628; EP 2603955 A1 20130619; EP 2603955 B1 20160608; ES 2590129 T3 20161118; JP 2013536550 A 20130919; JP 5710763 B2 20150430; KR 101660568 B1 20160927; KR 20130099037 A 20130905; MX 2013001288 A 20130221; PL 2603955 T3 20170331; PT 2603955 T 20160908; US 2013224990 A1 20130829; US 9172191 B2 20151027; WO 2012019893 A1 20120216

DOCDB simple family (application)

EP 10172257 A 20100809; BR 112013001887 A 20110721; CN 201180039299 A 20110721; EA 201390227 A 20110721; EP 11736077 A 20110721; EP 2011062504 W 20110721; ES 11736077 T 20110721; JP 2013523553 A 20110721; KR 20137006034 A 20110721; MX 2013001288 A 20110721; PL 11736077 T 20110721; PT 11736077 T 20110721; US 201113813417 A 20110721