

Title (en)  
ELECTRICAL SHIELD CONNECTOR

Title (de)  
ELEKTRISCHER ABSCHIRMUNGSSTECKER

Title (fr)  
CONNECTEUR DE BLINDAGE ÉLECTRIQUE

Publication  
**EP 3098905 A1 20161130 (EN)**

Application  
**EP 16170443 A 20160519**

Priority  
US 201562167372 P 20150528

Abstract (en)  
An electrical shield connector (172) configured to be attached to an end of a shielded cable (100) having a conductive wire (102) and a shield conductor (124) longitudinally surrounding the conductive wire (102). The shield connector (172) includes a connection portion that is configured for connection with a corresponding mating electrical shield connector (174) and a cable attachment portion (180) that is configured to longitudinally receive an end of the shield conductor (124). The connection portion defines a shroud surrounding an electrical terminal (160) attached to the conductive wire (102). The cable attachment portion (180) and/or crimp wings (176) projecting therefrom define a projection (244) that is configured to contact and indent the shield conductor (124), thereby mechanically and electrically connecting the shield connector (172) to the shield conductor (124). The cable attachment portion (180) may also define a knurled pattern (246) in an interior surface of the cable attachment portion (180), such as a knurled pattern (246) having a number of rhomboid-shaped indentations.

IPC 8 full level  
**H01R 4/18** (2006.01); **H01R 9/03** (2006.01); **H01R 13/6593** (2011.01); **H01B 11/10** (2006.01); **H01R 13/627** (2006.01); **H01R 13/6463** (2011.01)

CPC (source: CN EP KR)  
**H01R 4/10** (2013.01 - KR); **H01R 4/18** (2013.01 - KR); **H01R 4/185** (2013.01 - CN); **H01R 4/186** (2013.01 - EP); **H01R 4/188** (2013.01 - CN); **H01R 13/502** (2013.01 - CN); **H01R 13/516** (2013.01 - CN); **H01R 13/6463** (2013.01 - KR); **H01R 13/648** (2013.01 - KR); **H01R 13/6581** (2013.01 - CN KR); **H01R 13/65912** (2020.08 - EP); **H01R 13/6592** (2013.01 - KR); **H01R 13/6593** (2013.01 - EP); **H01B 11/1091** (2013.01 - EP); **H01R 4/185** (2013.01 - EP); **H01R 13/6272** (2013.01 - EP); **H01R 13/6463** (2013.01 - EP); **H01R 13/65914** (2020.08 - EP); **H01R 13/65915** (2020.08 - EP)

Citation (applicant)  
US 8485853 B2 20130716 - SEIFERT KURT P [US], et al

Citation (search report)

- [X] US 2013288523 A1 20131031 - II RYOSUKE [JP]
- [Y] EP 2779176 A2 20140917 - DELPHI TECH INC [US]
- [Y] US 2014213107 A1 20140731 - HIMI YOSHIHIRO [JP], et al
- [A] WO 2013066512 A1 20130510 - DELPHI TECH INC [US]
- [A] EP 1005106 A2 20000531 - SUMITOMO WIRING SYSTEMS [JP]
- [A] EP 2178177 A1 20100421 - AUTONETWORKS TECHNOLOGIES LTD [JP], et al
- [X] US 2009269981 A1 20091029 - HARUNA TOMOYUKI [JP], et al

Cited by  
DE102017101698A1; DE102017101698B4

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 RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**EP 3098905 A1 20161130**; CN 106207585 A 20161207; KR 20160140444 A 20161207

DOCDB simple family (application)  
**EP 16170443 A 20160519**; CN 201610363234 A 20160527; KR 20160064073 A 20160525