

Title (en)  
Seam closure of a receptacle contact

Title (de)  
Nahtverschluss einer Anschlussbuchse

Title (fr)  
Fermeture de jointure d'un contact de prise

Publication  
**EP 2654140 A1 20131023 (EN)**

Application  
**EP 12164251 A 20120416**

Priority  
EP 12164251 A 20120416

Abstract (en)  
A receptacle contact for an electrical connector, comprising a seam 150 along the corner radii of the receptacle and which is defined by the junction of a first contacting edge 350 of a first sidewall 140 of the receptacle contact with a second contacting edge 360 of a second sidewall 135 of the receptacle. Each contacting edge is provided with interlocking features 378, 380 adapted to interlock with each other at each side of the seam 150 to fasten the first and second sidewalls together. This allows to either eliminate a box weld as the dovetail features on each side of the seam provides robust retention in each X, Y and Z planes, or if a seam weld is used, to provide increased resistance against ultrasonic cable splice stresses by having the seam weld located on the more rigid corner geometry.

IPC 8 full level  
**H01R 13/11** (2006.01); **H01R 43/16** (2006.01)

CPC (source: EP)  
**H01R 13/11** (2013.01); **H01R 43/16** (2013.01); **H01R 13/113** (2013.01)

Citation (applicant)

- DE 19741346 A1 19990325 - WHITAKER CORP [US]
- EP 0837529 B1 20031119 - SUMITOMO WIRING SYSTEMS [JP]
- US 7793402 B2 20100914 - BARRINGER DENNIS R [US], et al

Citation (search report)

- [I] WO 9613082 A2 19960502 - WHITAKER CORP [US], et al
- [A] US 2011244736 A1 20111006 - CLARK STEPHEN HOWARD [US], et al
- [A] DE 10156233 A1 20030306 - SORIG LUDGER [DE]
- [AD] DE 19741346 A1 19990325 - WHITAKER CORP [US]
- [A] US 6193567 B1 20010227 - HSIEH SHAO CHUNG [US]

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)  
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DOCDB simple family (application)  
**EP 12164251 A 20120416; EP 2013057482 W 20130410**