

Title (en)  
WIRE TO WIRE CONNECTOR AND METHOD FOR PROVIDING THE WIRE TO WIRE CONNECTOR

Title (de)  
DRAHT-ZU-DRAHT VERBINDER UND VERFAHREN ZUR HERSTELLUNG DES DRAHT-ZU-DRAHT VERBINDERS

Title (fr)  
CONNECTEUR DE FIL À FIL ET PROCÉDÉ POUR FOURNIR LE CONNECTEUR DE FIL À FIL

Publication  
**EP 3376597 A1 20180919 (EN)**

Application  
**EP 18160951 A 20180309**

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CN 201710159625 A 20170317

Abstract (en)  
The present invention relates to a wire to wire connector (100), comprising: a cable (30), comprising at least one conductive core (34) and an insulator (36) surrounding the conductive core (34), with a core seal (40) and a core plug (50) being fitted round the insulator (36) of the conductive core (34) in an interference fit; a connector casing (10), defining a pin hole (15), with the core seal (40) and core plug (50) of the conductive core (34) being fitted in an interfering manner to an inner surface defining the pin hole (15); and at least one pin (70), comprising a pin body (75), a first crimping structure (72) crimped to the core seal (40), a second crimping structure (74) crimped to a conductive outer surface of the conductive core (34), and a stop structure preventing the pin (70) from moving in a longitudinal direction (L).

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Citation (search report)  
• [XYI] US 2011045696 A1 20110224 - NAKAMURA HIDETO [JP]  
• [XI] WO 2015142094 A1 20150924 - TYCO ELECTRONICS AMP KOREA CO LTD [KR]  
• [XPI] US 2017222356 A1 20170803 - HASHIMOTO YOUJIROU [JP], et al  
• [Y] US 2015263445 A1 20150917 - HOEFNER ACHIM [DE], et al  
• [A] EP 0677894 A2 19951018 - SUMITOMO WIRING SYSTEMS [JP]  
• [A] US 2009250235 A1 20091008 - GLADD JOSEPH H [US], et al

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