

Title (en)
CRIMPED WELDED JOINT

Title (de)
CRIMP-SCHWEISSVERBINDUNG

Title (fr)
LIAISON PAR SERTISSAGE ET SOUDAGE

Publication
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Application
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Abstract (en)
[origin: TW201541766A] The present invention provides a method of crimp-welded connection, which relates to a method of manufacturing a mechanically and electrically long-acting connection between a twisted wire and a connecting element in which one end of the twisted wire and the connecting element are welded together, wherein the one end of the twisted wire is placed into the crimping groove of the connecting element before welding and furthermore the connecting element and the twisted wire are crimped together. In addition, a crimp-welded connection structure using the method of this invention is also disclosed.

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Citation (examination)
• US 4913678 A 19900403 - AVELLINO FRANK J [US], et al
• WO 2006134108 A1 20061221 - KLAUKE GMBH GUSTAV [DE], et al
• DE 2544927 A1 19770421 - ROESLER KARL HEINZ
• GB 2371418 A 20020724 - YAZAKI CORP [JP]
• DE 102008059481 A1 20100602 - AUTO KABEL MAN GMBH [DE]
• DE 102010031505 A1 20120119 - STOCKO CONTACT GMBH & CO KG [DE]
• DE 10007258 A1 20010830 - WELCKER F [DE]
• US 2009117787 A1 20090507 - KERNER ALEX [US]
• US 2002050385 A1 20020502 - MURAKAMI KAZUHIRO [JP], et al

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