

Title (en)

Method for connecting an electrical conduit with an electrical connection element

Title (de)

Verfahren zum Verbinden einer elektrischen Leitung mit einem elektrischen Anschlusselement

Title (fr)

Procédé de connexion d'une conduite électrique avec un élément de raccordement électrique

Publication

EP 2362491 B1 20171004 (DE)

Application

EP 10002028 A 20100226

Priority

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Abstract (en)

[origin: EP2362491A1] The method involves crimping a crimping section (12) of an electric connection element (10) with aluminum wires (22) of an electric conductor (20). The crimping section crimped with the wires is welded with the wires using resistance welding, where the wires contain aluminum or aluminum alloy. The crimping section is provided with recesses in an inner side that is turned towards the conductor, and material of the wires is pressed in the recesses during crimping, where maximum width of the recesses is less than diameter of the wires. Cladding of the crimping section is made of tin material.

IPC 8 full level

H01R 4/18 (2006.01); **H01R 4/62** (2006.01); **H01R 43/02** (2006.01)

CPC (source: EP)

H01R 4/187 (2013.01); **H01R 4/188** (2013.01); **H01R 4/625** (2013.01); **H01R 43/0214** (2013.01)

Cited by

EP3454420A1; CN114378416A; EP3745537A1; DE102013215686A1; DE102013203166B4; AT513003A1; AT513003B1; EP3490069A1; CN103441615A; DE102014006244A1; KR20160147754A; CN106463846A; CN109494542A; US10396472B2; US10511104B2; WO2015165572A1; WO2017137200A1; WO2015044140A1; DE102021102088B3; WO2022161929A1; DE102021129706A1; WO2023083838A1; US9812835B2; DE102021125134B3; WO2023052383A2; DE102017215970B3; US11038312B2

Designated contracting state (EPC)

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