

Title (en)

METHOD FOR CONNECTING AN ELECTRICAL ALUMINIUM CONDUIT WITH AN ALUMINIUM PIPE

Title (de)

VERFAHREN ZUM VERBINDEN EINER ELEKTRISCHEN ALUMINIUMLEITUNG MIT EINEM ALUMINIUMROHR

Title (fr)

PROCÉDÉ DE RACCORDEMENT D'UNE CONDUITE D'ALUMINIUM ÉLECTRIQUE À UN TUBE D'ALUMINIUM

Publication

**EP 3454420 B1 20231101 (DE)**

Application

**EP 18192956 A 20180906**

Priority

DE 102017215970 A 20170911

Abstract (en)

[origin: MX2018010945A] A method for connecting an electrical cable having at least one wire made of aluminum or an aluminum alloy to a connector element includes the following steps: Inserting a stripped portion at an end of the electrical cable into a tube of the connector element. Crimping the tube where an end portion of the electrical cable is arranged so that a relative motion between the tube and the electrical cable is prevented. Crimping the tube where a second portion of the electrical cable is arranged, the second portion being further from the end of the electrical cable than the end portion, such that a change of the cross section and an elongation of the least one wire at the second portion of the electrical cable is caused. Resistance welding the tube to the at least one wire at the second portion of the electrical cable.

IPC 8 full level

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

CPC (source: CN EP US)

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Citation (examination)

JP 2003338330 A 20031128 - MITSUBISHI CABLE IND LTD

Designated contracting state (EPC)

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DOCDB simple family (publication)

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