

Title (en)
TERMINAL-EQUIPPED ELECTRIC WIRE

Title (de)
MIT KLEMMEN AUSGESTATTETER ELEKTRISCHER DRAHT

Title (fr)
FIL ÉLECTRIQUE ÉQUIPÉ DE BORNES

Publication
EP 3611800 B1 20220216 (EN)

Application
EP 19190819 A 20190808

Priority
JP 2018152300 A 20180813

Abstract (en)
[origin: EP3611800A1] A terminal-equipped electric wire (1) includes: an electric wire (2) including a conductor (3) formed of at least one element wire, and a covering (4) that covers an outer periphery of the conductor; and a compression terminal (5) fixed to an end of the conductor. The at least one element wire is made of a first material including aluminum as a main component. At least a part, which contacts the conductor, of the compression terminal is made of a second material including aluminum as a main component. The first material has a tensile strength greater than a tensile strength of the second material.

IPC 8 full level
H01R 4/20 (2006.01); **C22C 21/00** (2006.01); **H01R 13/03** (2006.01); **H01R 4/62** (2006.01); **H01R 11/12** (2006.01)

CPC (source: CN EP)
C22C 21/00 (2013.01 - EP); **H01R 4/20** (2013.01 - CN EP); **H01R 13/03** (2013.01 - EP); **H01R 4/62** (2013.01 - EP); **H01R 11/12** (2013.01 - EP)

Citation (examination)

- CA 891119 A 19720118 - AMP INC
- US 3912358 A 19751014 - MILLER ROGER D, et al
- JP 2014032819 A 20140220 - SWCC SHOWA CABLE SYS CO LTD
- WO 2013065803 A1 20130510 - SUMITOMO ELECTRIC INDUSTRIES [JP], et al
- JP 2004200018 A 20040715 - HITACHI CABLE
- WO 2015031236 A1 20150305 - CARLISLE INTERCONNECT TECH INC [US]
- WO 2011105584 A1 20110901 - FURUKAWA ELECTRIC CO LTD [JP], et al
- JP 2013257944 A 20131226 - SUMITOMO ELECTRIC INDUSTRIES

Designated contracting state (EPC)
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DOCDB simple family (publication)
EP 3611800 A1 20200219; **EP 3611800 B1 20220216**; CN 110829042 A 20200221; CN 110829042 B 20230630; JP 2020027758 A 20200220; JP 7228087 B2 20230224

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