

Title (en)
ELECTRIC WIRE WITH TERMINAL

Title (de)
ELEKTRISCHER DRAHT MIT KLEMME

Title (fr)
FIL ÉLECTRIQUE À BORNE

Publication
EP 3419118 A1 20181226 (EN)

Application
EP 18175004 A 20180530

Priority
• JP 2017121834 A 20170622
• JP 2018016150 A 20180201

Abstract (en)
An electric wire with terminal comprises: an electric wire comprising a conductor comprising an aluminum or an aluminum alloy, an insulating cover covering the conductor and a conductor exposed portion that the conductor is exposed without being covered with the insulating cover at an end of the electric wire; a compression terminal comprising a compression section compression-crimped onto the conductor exposed portion; and a conductive particle-containing compound attached to the conductor exposed portion. The conductive particle-containing compound comprises conductive particles comprising a NiP or a Ni-B. The conductive particles included in the conductive particle-containing compound are not more than 20 wt%.

IPC 8 full level
H01R 4/20 (2006.01); **H01R 4/04** (2006.01); **H01R 4/62** (2006.01)

CPC (source: CN EP)
H01B 1/02 (2013.01 - CN); **H01R 4/04** (2013.01 - EP); **H01R 4/20** (2013.01 - CN EP); **H01R 4/62** (2013.01 - EP); **H01R 11/11** (2013.01 - CN)

Citation (applicant)
JP H08321331 A 19961203 - SUMITOMO WIRING SYSTEMS

Citation (search report)
• [Y] US 2015187462 A1 20150702 - KONDO KENJI [JP], et al
• [Y] JP 2010244895 A 20101028 - HITACHI CABLE
• [Y] US 2014168919 A1 20140619 - ISHIMATSU TOMOYUKI [JP]
• [Y] CN 202034505 U 20111109 - YUANJIANG TONG

Cited by
EP3687000A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 3419118 A1 20181226; **EP 3419118 B1 20220105**; CN 109119777 A 20190101; CN 109119777 B 20220429; JP 2019009101 A 20190117; JP 6410163 B1 20181024

DOCDB simple family (application)
EP 18175004 A 20180530; CN 201810541366 A 20180530; JP 2018016150 A 20180201