

Title (en)

Method for electrically contacting wires

Title (de)

Verfahren zur elektrischen Kontaktierung von Drähten

Title (fr)

Procédé de mise en contact électrique de fils conducteurs

Publication

EP 2416457 B1 20160413 (DE)

Application

EP 11168870 A 20110607

Priority

DE 102010038780 A 20100802

Abstract (en)

[origin: EP2416457A1] The method involves electrically contacting a wire (1) in a connection region (2). An electrically conductive sleeve-shaped contact element (15) is provided in active connection with the wire in a contact region (16). An electromagnetic pulse (3) is introduced into the wire in the contact region. A frictional or metallurgical connection is formed between the wire and the contact element. The wire is provided with an insulation layer i.e. paint layer, in the connection region. The insulation layer is destructed when forming the electrical interconnection of a structured surface.

IPC 8 full level

H01R 4/18 (2006.01); **H01R 4/20** (2006.01); **H01R 43/02** (2006.01)

CPC (source: EP)

H01R 4/187 (2013.01); **H01R 43/0207** (2013.01); **H01R 43/0228** (2013.01); **H01R 4/203** (2013.01)

Cited by

EP3637553A4; US9281573B2; WO2013117339A1; US11069991B2

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

DOCDB simple family (publication)

EP 2416457 A1 20120208; EP 2416457 B1 20160413; DE 102010038780 A1 20120202

DOCDB simple family (application)

EP 11168870 A 20110607; DE 102010038780 A 20100802