

Title (en)
BATTERY TERMINAL CONNECTION CABLE

Title (de)
BATTERIEPOLANSCHLUSSKABEL

Title (fr)
CABLE DE CONNEXION POUR COSSE DE BATTERIE

Publication
EP 1101255 A1 20010523 (DE)

Application
EP 99950447 A 19990730

Priority
• DE 9902323 W 19990730
• DE 19834792 A 19980801
• DE 19906088 A 19990213

Abstract (en)
[origin: US6719595B1] According to the invention, an at least partially insulated strand of a battery terminal connection cable is either welded to a contact piece using ultrasound or is welded with a contact piece. As a result, the contact piece can be fastened onto the battery terminal using a conventional screw without worrying about the screw becoming loose. The battery terminal connection cable can be produced in an easy and at least partially automated manner using a device which comprises a sonotrode, a strand feed device, a contact piece feed device, and a pressure cylinder.

IPC 1-7
H01R 9/03; **H01R 4/02**; **H01R 43/02**

IPC 8 full level
H01M 2/20 (2006.01); **H01R 4/02** (2006.01); **H01R 9/03** (2006.01); **H01R 11/12** (2006.01); **H01R 43/02** (2006.01); **H01R 11/28** (2006.01)

CPC (source: EP US)
H01R 4/023 (2013.01 - EP US); **H01R 4/029** (2013.01 - EP US); **H01R 9/03** (2013.01 - EP US); **H01R 43/0207** (2013.01 - EP US);
H01R 11/281 (2013.01 - EP US); **H01R 12/59** (2013.01 - EP US)

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)
US 6719595 B1 20040413; AT E206250 T1 20011015; AU 6323999 A 20000228; CN 1143410 C 20040324; CN 1314016 A 20010919;
DE 19906088 A1 20000203; DE 19981517 D2 20010809; DE 59900287 D1 20011031; EP 1101255 A1 20010523; EP 1101255 B1 20010926;
ES 2162521 T3 20011216; JP 2003505822 A 20030212; PL 196506 B1 20080131; PL 345798 A1 20020102; WO 0008718 A1 20000217

DOCDB simple family (application)
US 74482001 A 20010130; AT 99950447 T 19990730; AU 6323999 A 19990730; CN 99809976 A 19990730; DE 19906088 A 19990213;
DE 19981517 T 19990730; DE 59900287 T 19990730; DE 9902323 W 19990730; EP 99950447 A 19990730; ES 99950447 T 19990730;
JP 2000564262 A 19990730; PL 34579899 A 19990730