

Title (en)
Device for connecting a high current cable

Title (de)
Vorrichtung zur Kontaktierung eines Hochstromkabels

Title (fr)
Dispositif pour connecter un câble de courant fort

Publication
EP 1737082 A3 20100324 (DE)

Application
EP 06003998 A 20060303

Priority
DE 102005029133 A 20050623

Abstract (en)
[origin: EP1737082A2] The device has a safety locking mechanism (12) made of an insulating material and receiving a battery cable (BK) that has a connection contact provided with an opening, where the contact is attached on current pins. The pins have a head section displaced from its end section by a ring-shaped recess. The locking mechanism is attached on the cover after plugging of the pins, and engages with adjacently arranged arms in the recess.

IPC 8 full level
H01R 13/641 (2006.01); **H01R 11/28** (2006.01); **H01R 13/627** (2006.01)

CPC (source: EP)
H01R 11/282 (2013.01); **H01R 13/627** (2013.01); **H01R 13/641** (2013.01); **H01R 2201/26** (2013.01)

Citation (search report)

- [X] EP 1439610 A2 20040721 - TYCO ELECTRONICS AMP GMBH [DE]
- [X] DE 19714511 A1 19971106 - NISSAN MOTOR [JP], et al
- [X] EP 1369957 A1 20031210 - TYCO ELECTRONICS AMP GMBH [DE]
- [A] US 6203383 B1 20010320 - IBY LEWIS C [US], et al
- [A] WO 2004084349 A2 20040930 - SAK AUTO KABEL AG [CH], et al
- [A] WO 9741623 A1 19971106 - FRAMATOME CONNECTORS INT [FR], et al

Cited by
CN103367981A; CN102157819A; EP2830161A1; US9225116B2; US9190784B1; WO2016168389A1; US9059542B2; US9077114B2; US10122117B2

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK YU

DOCDB simple family (publication)
EP 1737082 A2 20061227; **EP 1737082 A3 20100324**; DE 102005029133 A1 20061228

DOCDB simple family (application)
EP 06003998 A 20060303; DE 102005029133 A 20050623