

Title (en)
Latching for a connection

Title (de)
Verriegelung für eine Steckverbindung

Title (fr)
Verrouillage pour une connexion

Publication
EP 1641085 A3 20120411 (DE)

Application
EP 05019831 A 20050913

Priority
DE 102004046259 A 20040923

Abstract (en)
[origin: US2006063415A1] The invention pertains to a separable plug connection, particularly for rectangular connectors that are composed of a shielding metal housing, a connector insert and an insulating sleeve that encompasses the metal housing, as well as a correspondingly designed mating connector. The invention proposes to arrange the encompassing sleeve in a displaceable fashion, wherein metal locking levers arranged on the metal housing are guided into a slot within the sleeve in such a way that the free ends of the metal locking levers are pressed part during a sliding movement of the sleeve. When the connector and the corresponding mating connector are connected and interlocked, this causes hooks integrally arranged on the metal locking levers to be levered out of opening arranged on the mating connector such that the locking device is released. The hooks engage into the openings when the plug connection needs to be interlocked.

IPC 8 full level
H01R 13/627 (2006.01)

CPC (source: EP US)
H01R 13/6275 (2013.01 - EP US); **H01R 13/6593** (2013.01 - EP US)

Citation (search report)

- [IY] EP 0738029 A1 19961016 - MOLEX INC [US]
- [IY] US 5435744 A 19950725 - DERSTINE MICHAEL P [US], et al
- [Y] GB 2199102 A 19880629 - HUNTING OILFIELD SERVICES LTD
- [IY] US 5634809 A 19970603 - HIRAI YUJI [JP]
- [Y] DE 10236275 B3 20040108 - HARTING ELECTRONICS GMBH & CO [DE]

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)
DE 102004046259 B3 20060309; CN 100486050 C 20090506; CN 1753253 A 20060329; DK 1641085 T3 20130603; EP 1641085 A2 20060329; EP 1641085 A3 20120411; EP 1641085 B1 20130227; ES 2403411 T3 20130517; PL 1641085 T3 20130830; US 2006063415 A1 20060323; US 7081002 B2 20060725

DOCDB simple family (application)
DE 102004046259 A 20040923; CN 200510106374 A 20050922; DK 05019831 T 20050913; EP 05019831 A 20050913; ES 05019831 T 20050913; PL 05019831 T 20050913; US 21528705 A 20050830