

Title (en)
Electrical connecting device

Title (de)
Elektrischer Verbinder

Title (fr)
Connecteur électrique

Publication
EP 1708310 A1 20061004 (EN)

Application
EP 06111840 A 20060328

Priority
JP 2005090748 A 20050328

Abstract (en)
A connecting housing element 12 supports connection terminals and is connected to a to-be-connected housing element 2 by fitting. A hook element 13 is inserted into the connecting housing element 12, is locked and hooked to the connecting housing element 12 at a first position. A slider 14 is slidably supported by the connecting housing element 12, and is brought into contact with a part of the to-be-connected housing element 2 and energized to be moved toward the hook element 13 during the fitting operation. The moved slider 14 comes into contact with the hook element 13 and releases the locking of the hook element 13 to the connecting housing element 12 at the first position to make the hook element 13 movable in relation to the connecting housing element 12.

IPC 8 full level
H01R 13/627 (2006.01); **H01R 13/436** (2006.01); **H01R 13/641** (2006.01)

CPC (source: EP)
H01R 13/4368 (2013.01); **H01R 13/6272** (2013.01); **H01R 13/641** (2013.01)

Citation (search report)
• [X] EP 1172898 A2 20020116 - SUMITOMO WIRING SYSTEMS [JP]
• [A] EP 1411597 A2 20040421 - YAZAKI EUROPE LTD [GB]
• [A] EP 1096616 A2 20010502 - OSRAM SYLVANIA INC [US]
• [A] EP 1235311 A2 20020828 - TYCO ELECTRONICS CORP [US] & US 6824417 B1 20041130 - NIMURA KAZUHIKO [JP]

Cited by
CN108475884A; EP3285336A1; DE102006021836B4; EP3211730A1; CN107123898A; US9893464B2; WO2017127200A1; US9899761B2; DE112016006292B4

Designated contracting state (EPC)
DE

DOCDB simple family (publication)
EP 1708310 A1 20061004; **EP 1708310 B1 20080312**; DE 602006000670 D1 20080424; DE 602006000670 T2 20090402; JP 2006277975 A 20061012

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