Title (en)

ELECTRICAL CONNECTOR WITH SECURITY LOCKING SYSTEM

Title (de)

ELEKTRISCHE VERBINDER MIT SICHERHEITSVERRIEGELUNGSSYSTEM

Title (fr)

CONNECTEUR ELECTRIQUE AVEC SYSTEME DE VERROUILLAGE DE SECURITE

Publication

EP 1891712 A1 20080227 (EN)

Application

EP 05777393 A 20050606

Priority

EP 2005007882 W 20050606

Abstract (en)

[origin: WO2006131141A1] An electrical connector comprises a housing (2) having at least one primary locking tab (5a, 5b) as a primary locking system for latching into a recess of an electrical counter-part connector (54), and a connector position assurance (CPA) member (3) as a secondary locking system, which is engageable with the housing (2) and comprises at least one secondary locking tab (4a, 4b, 4c, 4d) blocking the primary locking tab (5a, 5b) in the recess of the electrical counter-part connector (54) when the electrical connector (1) is plugged into the electrical counter-part connector (54) in a plug-in direction. At least one security locking tab (6a, 6b) is formed on the CPA member (3), which may have at least one security projection (37a, 37b) adapted to latch behind a security shoulder (45a, 45b) in a retention slot (51) of the housing (2) to prevent an accidental disengagement of the CPA member (3), but to allow active disengagement.

IPC 8 full level

H01R 13/641 (2006.01)

CPC (source: EP)

H01R 13/641 (2013.01); H01R 13/6273 (2013.01)

Citation (search report)

See references of WO 2006131141A1

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DOCDB simple family (publication)

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