

Title (en)

DUAL ACTION MECHANICAL ASSISTED CONNECTOR

Title (de)

MECHANISCH UNTERSTÜTZTER VERBINDER MIT DOPPELWIRKUNG

Title (fr)

CONNECTEUR MECANIQUE ASSISTE A DOUBLE ACTION

Publication

EP 1875558 B1 20130227 (EN)

Application

EP 05732282 A 20050408

Priority

US 2005011919 W 20050408

Abstract (en)

[origin: WO2006110134A1] A lever-type electrical connector assembly reduces the connection mating forces required to mate female and male connectors. The connector assembly employs a first connector with cam follower projections (116), a base housing (130) with guide channels (133), a slide cam housing (120) including cam roves (152) and projection guide tracks (122), and a cover housing (110) pivotally mounted on the base housing (130), the cover housing (110) having a cover housing projection (112). As the cover housing is rotated from an open to a closed position, it engages the cover housing projection in the projection guide track. This engagement moves the slide cam housing in the guide channel. As the slide cam housing is moved from an open to a closed position, it engages the cam follower projections in the cam grooves thereby drawing the first connector into the base housing to a connected position.

IPC 8 full level

H01R 13/62 (2006.01)

CPC (source: EP)

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