

Title (en)
SEALED ELECTRICAL CONNECTION ASSEMBLY

Title (de)
ABGEDICHTETE ELEKTRISCHE VERBINDUNGSBAUGRUPPE

Title (fr)
ENSEMBLE DE CONNEXION ÉLECTRIQUE ÉTANCHÉIFIÉ

Publication
EP 2289131 A1 20110302 (FR)

Application
EP 09753886 A 20090526

Priority
• EP 2009056392 W 20090526
• FR 0802946 A 20080529
• FR 0804737 A 20080828

Abstract (en)
[origin: WO2009144231A1] The subject of the present invention is an electrical connection assembly (1) comprising: a flexible ribbon cable (5) with parallel electrical tracks (7); for each track (7), a contact element (11) mechanically fastened by crimping to the ribbon cable (5) at the associated electrical track (7) thus establishing an electrical contact between the track (7) and its associated contact element (11); and a casing (13) having internal walls (15) that define a through-passage (17) through which the ribbon cable (5) passes. The assembly further includes a sliding seal (19) surrounding the ribbon cable (5), which seal is placed downstream of the contact elements (11) and upstream of the casing (13) so that, when said assembly (1) has been inserted in an associated conjugate connector (3) having conjugate contact elements (12), the casing (13) compresses the seal (11) so as to provide sealing by compression on the ribbon cable (5), sealing on the internal walls (15) of the casing (13) and sealing with the walls of the conjugate connector (3).

IPC 1-7
H01R 12/24

IPC 8 full level
H01R 12/69 (2011.01); **H01R 12/77** (2011.01); **H01R 13/52** (2006.01)

CPC (source: EP)
H01R 12/69 (2013.01); **H01R 12/777** (2013.01); **H01R 12/778** (2013.01); **H01R 13/5205** (2013.01); **H01R 13/5221** (2013.01)

Citation (search report)
See references of WO 2009144231A1

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA RS

DOCDB simple family (publication)
WO 2009144231 A1 20091203; EP 2289131 A1 20110302; FR 2932026 A1 20091204; FR 2932026 B1 20121214

DOCDB simple family (application)
EP 2009056392 W 20090526; EP 09753886 A 20090526; FR 0804737 A 20080828