

Title (en)

Leaktight plug for electrical connection to a bus duct

Title (de)

Abgedichteter Steckverbinder zur elektrischen Verbindung mit einer Kontaktschiene

Title (fr)

Connecteur à fiche étanche pour connexion électrique avec une barre conductrice

Publication

EP 1816395 A1 20070808 (EN)

Application

EP 06425051 A 20060202

Priority

EP 06425051 A 20060202

Abstract (en)

Leaktight plug for electrical connection to a bus duct (17) in which an insulating body (1) houses in a plurality of slots (2, 3, 4, 5) which are hermetically sealed over their entire length by an insulating sheet (10) a corresponding plurality of conducting bars (6, 7, 8, 9), comprising a supporting member (18) and a plug body (19) hinged to the supporting member to adopt a disconnected operating position and an electrically connected operating position, the supporting member (18) being provided with attachment means (39) which can be operated manually for attachment and detachment to/from the bus duct only if the plug body is in the disconnected operating position, the plug body being provided with contact clamps (25) which in the connected operating position enter into contact with the conducting bars (6, 7, 8, 9) after having perforated the insulating sheet (10), the contact clamps (25) being surrounded by a seal (26) which in the electrically connected operating position ensures a leaktight connection between the plug body and the bus duct.

IPC 8 full level

F21V 21/35 (2006.01); **H01R 13/52** (2006.01); **H01R 25/14** (2006.01)

CPC (source: EP)

H01R 13/5219 (2013.01); **H01R 25/14** (2013.01); **H01R 25/142** (2013.01)

Citation (search report)

- [A] US 3771103 A 19731106 - ATTEMA G
- [A] US 3801951 A 19740402 - KEMMERER W, et al
- [A] US 6196863 B1 20010306 - SCHWANT WILFRIED [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)

EP 1816395 A1 20070808; **EP 1816395 B1 20081029**; AT E412852 T1 20081115; DE 602006003406 D1 20081211; ES 2314864 T3 20090316; PT 1816395 E 20081215; WO 2007087983 A1 20070809

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