

Title (en)
POWER CONNECTOR WITH A CONDUCTIVE SEAL

Title (de)
LEISTUNGSSTECKVERBINDER MIT LEITENDER DICHTUNG

Title (fr)
CONNECTEUR DE PUISSANCE AVEC UN JOINT CONDUCTEUR

Publication
EP 4387002 A1 20240619 (EN)

Application
EP 22214025 A 20221215

Priority
EP 22214025 A 20221215

Abstract (en)
An electrical power connector (1), comprising- a housing (2) having cavities (12) in which are accommodated power terminals (6) electrically connected to respective shielded cables (13), each having an individual shielding layer (15),- an shielding element (4) being mounted outside said cavities (12).The power connector (1) further comprises an elastomeric conductive seal (11) mounted on an outer surface of the housing (2), inserted between the housing (2) and the outer shielding element (4), this elastomeric conductive seal (11) having connection means (23) passing through passages (17) made in the housing (2) so as to electrically connect the shielding layers (15) to the outer shielding element (4).Method for assembling such a power connector;

IPC 8 full level
H01R 13/52 (2006.01); **H01R 9/05** (2006.01); **H01R 13/6599** (2011.01); **H01R 13/6582** (2011.01)

CPC (source: EP)
H01R 9/0527 (2013.01); **H01R 13/5208** (2013.01); **H01R 13/5216** (2013.01); **H01R 13/6599** (2013.01); **H01R 13/5205** (2013.01); **H01R 13/6582** (2013.01); **H01R 2201/26** (2013.01)

Citation (applicant)
• EP 3155692 A1 20170419 - DELPHI INT OPERATIONS LUXEMBOURG SARL [LU]
• FR 3032835 A1 20160819 - DELPHI INT OPERATIONS LUXEMBOURG SARL [LU]

Citation (search report)
• [A] US 2015288108 A1 20151008 - FISCHER CHARLES PITMAN [US]
• [A] US 11450990 B2 20220920 - DEMARATOS DAVID [US]
• [A] US 2020280150 A1 20200903 - DEMARATOS DAVID [US]
• [A] US 2006110977 A1 20060525 - MATTHEWS ROGER [US]
• [A] US 7393218 B1 20080701 - PAVLOVIC SIOBADAN [US], et al
• [A] FR 2981210 A1 20130412 - LEONI WIRING SYSTEMS FRANCE [FR]

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

Designated extension state (EPC)
BA

Designated validation state (EPC)
KH MA MD TN

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