

Title (en)

HV CONNECTOR HAVING A REAR GRID WITH STRAIN RELIEF MEANS AND METHOD FOR ASSEMBLING THEREOF

Title (de)

HV-VERBINDER MIT EINEM HINTEREN GITTER MIT ZUGENTLASTUNGSMITTELN UND MONTAGEVERFAHREN DAFÜR

Title (fr)

CONNECTEUR HAUTE TENSION AYANT UNE GRILLE ARRIÈRE COMPORTANT DES MOYENS DE SOULAGEMENT DE TRACTION ET MÉTHODE D'ASSEMBLAGE ASSOCIÉE

Publication

EP 3849025 A1 20210714 (EN)

Application

EP 20150624 A 20200107

Priority

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Abstract (en)

Connector comprising a housing (2) for accommodating terminals (7) and a strain relief device (4). The strain relief device (4) comprises a rear grid (9) to be attached on a rear portion (15) of the housing (2). The terminals (7) are electrically connected to cables (14) that exit the housing (2) through the rear grid (9). The strain relief device (4) comprises a slider (10) that can be moved, in a direction generally perpendicular to the cables (14) exiting from the housing (2), between a pre-locking position where it does not press the cables (14) and a locking position where it presses the cable (14) so as to tighten them and minimize their movements. The slider (10) can be moved from the pre-locking position to the locking position, only if the rear grid (9) is properly mounted on the housing (2). The rear grid (9) minimizes movements and/or vibrations of cables (14) and terminals (7) inside the housing (2), due to external forces such as vibrations on the cables (14) and/or cable bending.

IPC 8 full level

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CPC (source: EP)

H01R 13/5812 (2013.01); **H01R 13/562** (2013.01); **H01R 2201/26** (2013.01)

Citation (search report)

- [XYI] US 2017358888 A1 20171214 - REIMANN DANIEL [DE], et al
- [XI] WO 9923727 A1 19990514 - THOMAS & BETTS INT [US]
- [YA] EP 2816672 A1 20141224 - DELPHI TECH INC [US]
- [A] US 2012040551 A1 20120216 - WU JERRY [US]

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