

Title (en)

Device for ground connection of electrical wires especially into a car body

Title (de)

Einrichtung zum Massenanschluss von elektrischen Kabeln, insbesondere an einer Kraftfahrzeug-Karosserie

Title (fr)

Système pour le raccordement à la masse de câbles électriques, en particulier à une carrosserie automobile

Publication

EP 0681343 B1 20000712 (DE)

Application

EP 95106538 A 19950429

Priority

DE 4415618 A 19940504

Abstract (en)

[origin: EP0681343A2] The device provides an earth connection for several electric cables (60, 60'), particularly for connecting cables in a vehicle to the vehicle chassis. The device has several fixed threaded bolts (11, 12, 13, 14) which are fixedly connected to the earth, e.g. the vehicle bodywork. At least the cable cover (61, 61') of a cable (60, 60') can be connected to a bolt and, to make electric contact, it is pressed against a bounding surface by means of a contact washer (63, 63') screwed on to the bolt. The device includes a stepped base rail (10) of electrically conductive material, which bears several threaded bolts (11-14) and which has a common earth connection (17, 18, 19) for all the bolts. Adjacent bolts (11, 12) sit on two bearing surfaces (21', 23') of the rail (10) which are at different heights (15, 16). The step bearing surfaces (21', 23', 25', 27', 29') serve as locating surfaces for contacting the cables associated with these bolts. The sides (22', 24', 26') of the steps form a stop to limit rotation of the cable. <IMAGE>

IPC 1-7

H01R 4/34; **H01R 4/64**

IPC 8 full level

H01R 4/34 (2006.01); **H01R 4/64** (2006.01); **H01R 11/32** (2006.01); **H01R 4/18** (2006.01)

CPC (source: EP)

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Cited by

EP1443602A1; CN102176551A; FR2786612A1; FR2848733A1

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EP 0681343 A2 19951108; **EP 0681343 A3 19980513**; **EP 0681343 B1 20000712**; DE 4415618 A1 19951109; DE 4415618 C2 19970213; DE 59508552 D1 20000817; ES 2147805 T3 20001001

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