

Title (en)
ELECTRIC CONNECTION

Title (de)
ELEKTRISCHE VERBINDUNG

Title (fr)
CONNEXION ÉLECTRIQUE

Publication
EP 4195415 A1 20230614 (EN)

Application
EP 21213050 A 20211208

Priority
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Abstract (en)
The invention relates to an electrical connection comprising an electrical conductor (30), an insulating layer (40), and a bushing (50), wherein the electrical conductor (30) is passed through the bushing (50), wherein the insulating layer (40) electrically insulates the electrical conductor (30) from the bushing (50), wherein the electrical conductor (30), the insulating layer (40) and the bushing (50) are pressed together to hold the electrical conductor (30) axially immovable and non-rotatable in the bushing (50), and wherein the electrical conductor (30) protrudes from the bushing (50) at at least one of its longitudinal ends. For a reliable electrical connection it is suggested that the electrical conductor (30) projects out of the bushing (50) at one longitudinal end and forms a contact connection (33) there with an integrally formed thread (33.1), in that a distance section (34) of the electrical conductor (30) is provided in the region between the thread (33.1) and the bushing (50), in that the distance section (34) has a flange (36) which is integrally formed in one piece, has a cross section which is enlarged in comparison with the cross section of the distance section (34) and has, towards the thread (33.1), a supporting surface (37) for the abutment and the electrical contacting of a cable connection piece (60).

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Citation (applicant)
WO 2021144055 A1 20210722 - HIDRIA D O O [SI]

Citation (search report)
• [Y] EP 3851648 A1 20210721 - HIDRIA D O O [SI]
• [Y] WO 2017114935 A1 20170706 - COMMSCOPE CONNECTIVITY BELGIUM BVBA [BE]
• [Y] FR 2626112 A1 19890721 - ALSTHOM CGEE [FR]

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