

Title (en)

ELECTRICAL CONNECTOR HAVING AN ANNULAR CONTACT

Title (de)

ELEKTRISCHER VERBINDER MIT RINGFÖRMIGEM KONTAKT

Title (fr)

CONNECTEUR ÉLECTRIQUE AYANT UN CONTACT ANNULAIRE

Publication

EP 4248527 A1 20230927 (EN)

Application

EP 20811303 A 20201120

Priority

EP 2020082904 W 20201120

Abstract (en)

[origin: WO2022106026A1] Electrical connector (44) comprising a connecting element (48) having a receiving hole (50) and being designed for mechanical and electrical connection to an electrical conductor (24), the receiving hole (50) having a plurality of grooves (52) extending circumferentially about an interior wall (54) of the receiving hole (50) and in communication with the receiving hole (50), and a plurality of contact elements (64), each contact element being housed in one of the plurality of grooves to ensure electrical contact with the electrical conductor (24) inserted in the connecting element (48). The connecting element (48) has a control segment (74a) extending longitudinally between two consecutive grooves (52) having an electrical resistance different from the electrical resistance of the side segments adjacent to the control segment (74a). The control segment (74a) can have a recess (70a) or be made of a material having a higher electrical resistance than the side segments.

IPC 8 full level

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CPC (source: EP)

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