

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
14 November 2024 (14.11.2024)



(10) International Publication Number
WO 2024/230773 A1

- (51) **International Patent Classification:**
H01R 13/11 (2006.01) *H01R 13/187* (2006.01)
- (21) **International Application Number:**
PCT/CN2024/091951
- (22) **International Filing Date:**
09 May 2024 (09.05.2024)
- (25) **Filing Language:** English
- (26) **Publication Language:** English
- (30) **Priority Data:**
202310517646.6 09 May 2023 (09.05.2023) CN
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(81) **Designated States** (*unless otherwise indicated, for every kind of national protection available*): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CV, CZ, DE, DJ, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IQ, IR, IS, IT, JM, JO, JP, KE, KG, KH, KN, KP, KR, KW, KZ, LA, LC, LK, LR, LS, LU, LY, MA, MD, MG, MK, MN, MU, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SA, SC, SD, SE, SG, SK, SL, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, WS, ZA, ZM, ZW.

(84) **Designated States** (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, CV, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SC, SD, SL, ST, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, RU, TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV, MC, ME, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, KM, ML, MR, NE, SN, TD, TG).

Published:

— with international search report (Art. 21(3))

(54) **Title:** RELIABLE, ADAPTABLE ELECTRICAL CONNECTOR WITH HIGH CURRENT CAPACITY

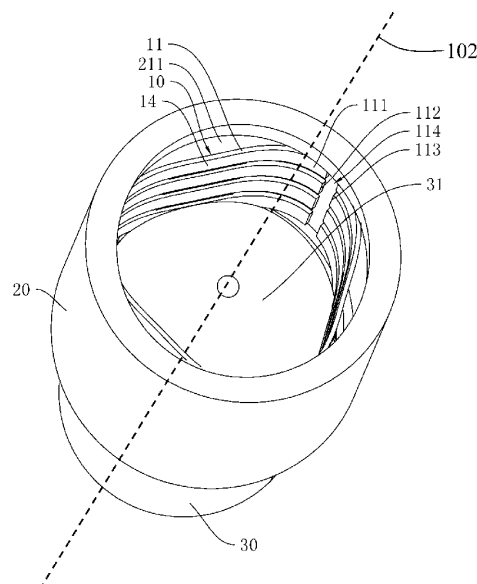


FIG. 1

(57) **Abstract:** An electrical connector with high current capacity is disclosed. The connector has a sleeve and a terminal disposed therein. The terminal includes one or more conductive elements each comprising first portions with inflection points abutting the sleeve, and second portions connecting adjacent first portions. When inserting a pin into the terminal, the second portions are expanded radially by the pin. The expansion of the second portions increases contact areas and forces between the first portions and the sleeve to reliably connect the pin to the sleeve through the second portions to the first portions. The number of first portions of each conductive element can be configured to achieve desirable contact area and force. A terminal may include multiple conductive elements and the number can be selected according to a length of a pin. Techniques described herein enable reliable, adaptable connectors with high current capacity.

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