

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

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
29 August 2024 (29.08.2024)



(10) International Publication Number
WO 2024/178391 A4

(51) International Patent Classification:

B23K 9/028 (2006.01) *B23K 37/02* (2006.01)
B23K 37/00 (2006.01) *B23K 101/06* (2006.01)

(21) International Application Number:

PCT/US2024/017163

(22) International Filing Date:

23 February 2024 (23.02.2024)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

63/486,863 24 February 2023 (24.02.2023) US

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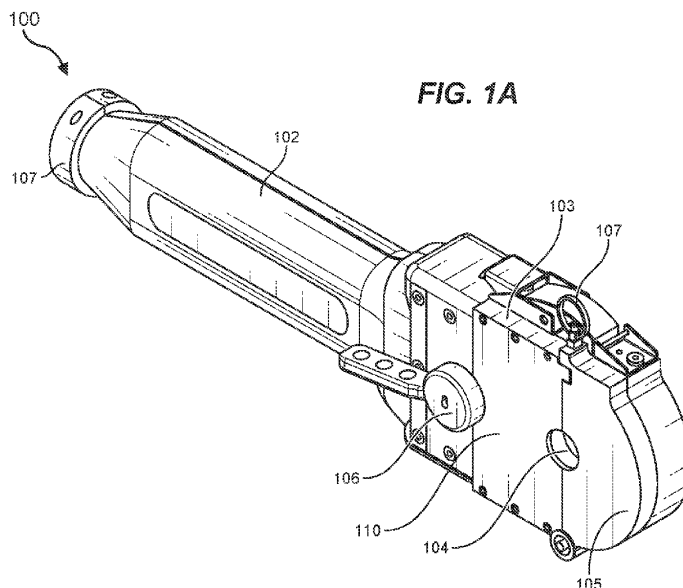
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(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CV, CZ, DE, DJ, DK, DM, DO, DZ, EC, EE, EG, ES, FI, 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,

(54) Title: CONTINUOUSLY COOLED WELD HEAD



(57) Abstract: The present disclosure describes a system including a support structure configured to provide support for various orbital welding components. The system also includes an orbital weld head body attached to the support structure. The orbital weld head body is made of a thermally conductive material and includes at least one cooling bar that spans at least a portion of the length of the orbital weld head body. The cooling bar includes various internal cooling channels to route coolant through the cooling bar of the orbital weld head body. The orbital weld head body also includes at least one pressurized fluid input line that attaches to the internal cooling channels of the cooling bar and conducts a fluid coolant to the internal cooling channels of the cooling bar. Other apparatuses and orbital welding machines are also described.

[Continued on next page]

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))
- with amended claims (Art. 19(1))

Date of publication of the amended claims:

24 October 2024 (24.10.2024)