



- (51) International Patent Classification:
B23K 9/20 (2006.01) *B23K 9/10* (2006.01)
- (21) International Application Number:
PCT/US2012/046743
- (22) International Filing Date:
13 July 2012 (13.07.2012)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
61/508,431 15 July 2011 (15.07.2011) US
13/542,094 5 July 2012 (05.07.2012) US
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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, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, 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, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Declarations under Rule 4.17:

- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))

Published:

- without international search report and to be republished upon receipt of that report (Rule 48.2(g))

(54) Title: STUD WELDING SYSTEM, CONSUMABLES, AND METHOD

(57) Abstract: A stud welding process may be performed by a power supply that is adapted for other welding processes, such as MIG, TIG, and so forth. A stud welding gun may receive studs preloaded in a magazine or other support. Studs are charged into the chuck of a stud welding gun and positioned where desired over a surface. An extension, such as a wire-type electrode may extend from the stud and aid in establishing the welding arc. The stud may be shielded by a nozzle or other shield to obviate the need for ceramic ferrules. Orientation of the stud welding gun may be detected, displayed and used as a basis for initiating and completing the stud welding process once the gun and/or stud is properly positioned.

