

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

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
13 October 2022 (13.10.2022)



(10) International Publication Number
WO 2022/216273 A1

(51) International Patent Classification:
E21B 43/08 (2006.01) *E21B 33/12* (2006.01)
E21B 43/10 (2006.01)

(21) International Application Number:
PCT/US2021/025876

(22) International Filing Date:
06 April 2021 (06.04.2021)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
17/223,195 06 April 2021 (06.04.2021) 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, BN, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DJ, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IR, IS, IT, JO, JP, KE, KG, KH, KN, KP, KR, KW, KZ, LA, LC, LK, LR, LS, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW,

(54) Title: NOZZLE ASSEMBLY FOR SHUNT TUBE SYSTEMS

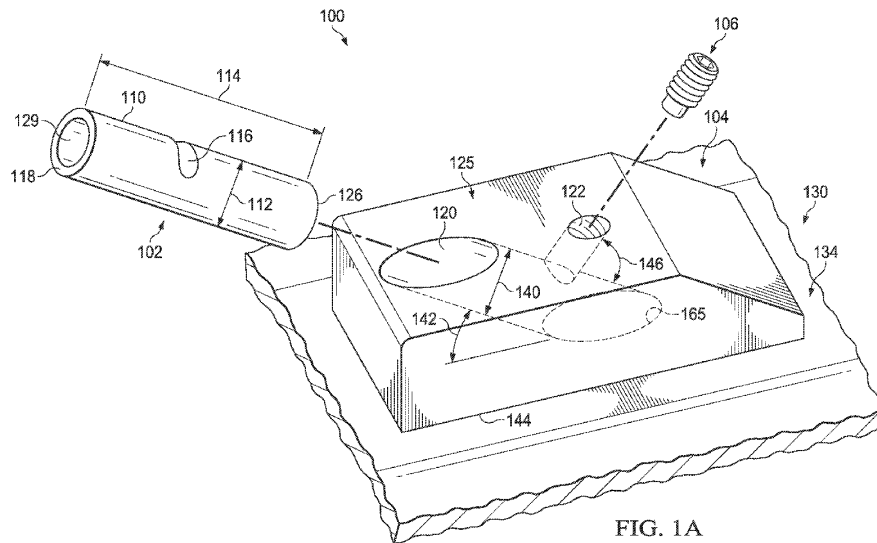


FIG. 1A

(57) Abstract: A wellbore downhole tool, comprising: a nozzle assembly, the nozzle assembly includes a nozzle including: a cylindrically-shaped tube with a substantially uniform outer diameter across substantially an entire height of the nozzle, at least one retaining body opening located in an outer wall of the nozzle; a holding body including: a conduit, the conduit sized to fit the nozzle there-through, an alignment opening extending from an outer surface of the holding body to the conduit; and a retaining body sized to fit within the alignment opening of the holding body and to contact the retaining body opening of the nozzle when the nozzle is inserted in the conduit such that the cylindrically-shaped tube of the nozzle cannot rotate or move further in or out of the conduit. A method of assembling the wellbore downhole tool is also described.

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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, GH, GM, KE, LR, LS, MW, MZ, NA, RW, 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, 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))