

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

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
24 March 2022 (24.03.2022)



(10) International Publication Number
WO 2022/058917 A1

(51) International Patent Classification:
E21B 36/00 (2006.01)

(21) International Application Number:
PCT/IB2021/058439

(22) International Filing Date:
16 September 2021 (16.09.2021)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
17/025,785 18 September 2020 (18.09.2020) US

(71) Applicant: **VALLOUREC TUBE-ALLOY, LLC**
[US/US]; 2107 CityWest Boulevard, Suite 1300, Houston,
Texas 77042 (US).

(72) Inventor: **ROUSSIE, Gabriel**; c/o Vallourec Tubes DPI,
12 Rue de la Verrierie, 92190 Meudon (FR).

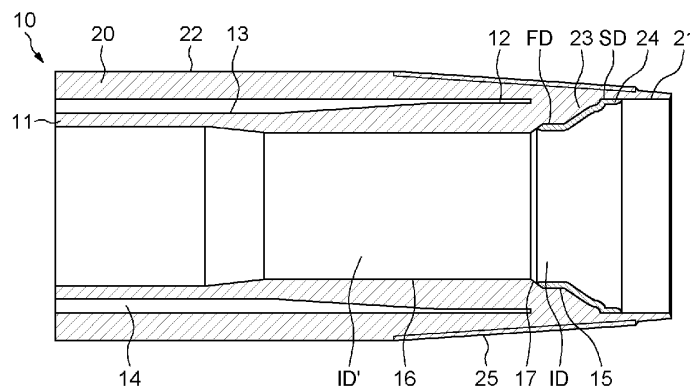
(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,

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,
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).

(54) Title: TUBING COMPONENT HAVING A CLADDING OF FILLET WELD, AND METHOD FOR PRODUCING A TUBING COMPONENT

FIG.2



(57) Abstract: Disclosed is a tubing component for the oil and gas industry. The tubing component includes an outer tube and an inner tube within the outer tube, said tubes being so configured to create a space between each other over a specified length. Each end of the inner tube is secured to the internal surface of the outer tube by a frustoconical fillet weld so that said space is leak-tight. The inner tube has a first internal diameter ID along a first length starting from each end of said tube, and a second, smaller internal diameter ID' along a second length beyond the first length. The tubing component further includes a protective metallic layer extending at least over the fillet weld. Also disclosed is a method for producing this tubing component.

[Continued on next page]

Published:

- *with international search report (Art. 21(3))*
- *in black and white; the international application as filed contained color or greyscale and is available for download from PATENTSCOPE*