



- (51) International Patent Classification:
E21B 33/04 (2006.01) *E21B 17/02* (2006.01)
- (21) International Application Number:
PCT/IB2015/000464
- (22) International Filing Date:
8 January 2015 (08.01.2015)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
61/925,106 8 January 2014 (08.01.2014) US
- (71) Applicant: **ONESUBSEA IP UK LIMITED** [GB/GB];
100 New Bridge Street, London, EC4V 6JA (GB).
- (72) Inventors: **PORTER, Dean**; 4646 W. Sam Houston Park-
way N, Houston, TX 77041 (US). **KOBE, Benjamin**;
4646 W. Sam Houston Parkway N, Houston, TX 77041
(US).
- (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, DK, DM,

DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT,
HN, HR, HU, ID, IL, IN, IR, IS, JP, KE, KG, KN, KP, KR,
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, SM, ST, SV, SY, TH, TJ, TM, TN,
TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

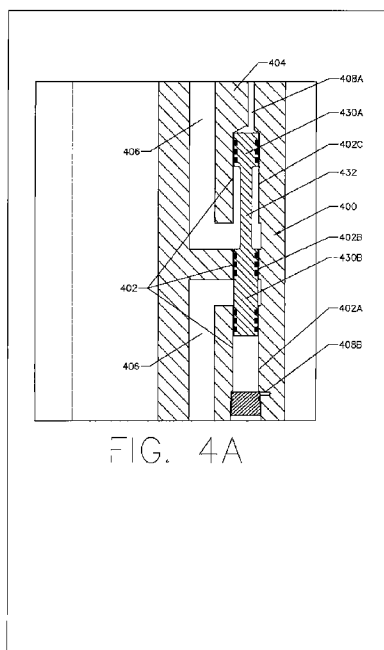
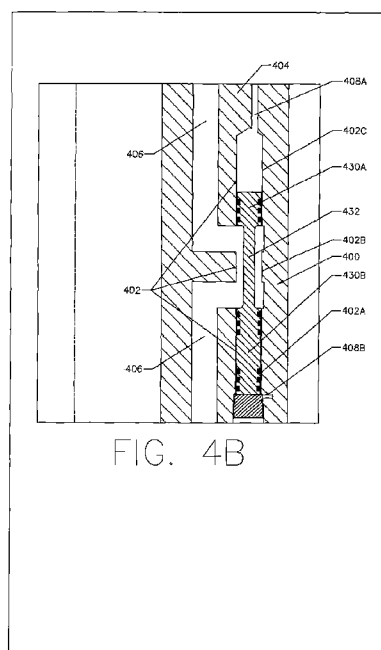
- (84) Designated States (*unless otherwise indicated, for every
kind of regional protection available*): ARIPO (BW, GH,
GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ,
TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, RU,
TJ, TM), European (AL, AT, BE, BG, CH, CY, CZ, DE,
DK, EE, ES, FI, FR, GB, GR, HR, 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))

- (88) Date of publication of the international search report:
19 November 2015

(54) Title: TUBING HANGER WITH SHUTTLE ROD VALVE



(57) Abstract: A completion system for a well includes a tubing hanger movable into a landed position within an internal bore of the completion system. The tubing hanger includes a hanger bore formed through the tubing hanger, an auxiliary passage formed through the tubing hanger outside of the hanger bore, and a shuttle rod valve including a rod movable in a cavity that is capable of being in fluid communication with the auxiliary passage to control the flow of fluid through the auxiliary passage.