



- (51) **International Patent Classification:** Not classified
- (21) **International Application Number:** PCT/IB2014/002975
- (22) **International Filing Date:** 1 October 2014 (01.10.2014)
- (25) **Filing Language:** English
- (26) **Publication Language:** English
- (30) **Priority Data:**
61/885,089 1 October 2013 (01.10.2013) US
14/504,046 1 October 2014 (01.10.2014) US
- (71) **Applicant:** ONESUBSEA IP UK LIMITED [GB/GB];
100 New Bridge Street, London EC4V 6JA (GB).
- (72) **Inventor:** NOEL, Jean-Francois; Nordeidbrekka 25, N-5252 Soreidgrend (NO).
- (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:

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

(54) **Title:** ELECTRICAL CONDUCTOR AND METHOD OF MAKING SAME

(57) **Abstract:** An electrical conductor includes an electrically non-conductive plate, an electrically conductive pin extending through the plate, and a frame member fitted around an outer edge of the plate. The frame member is configured to pre-load the plate with a compressive stress. In particular, the frame member may pre-load the plate with the compressive stress that is sufficiently high enough such that a sum of the compressive stress, tensile stress, and shear stress components generated in the plate under high-pressure conditions is compressive overall.



WO 2015/049592 A2