



(51) International Patent Classification:
E21B 43/10 (2006.01)

(21) International Application Number:
PCT/US2020/016272

(22) International Filing Date:
31 January 2020 (31.01.2020)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
16/779,293 31 January 2020 (31.01.2020) 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, 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,

(54) Title: COMPLIANT SCREEN SHROUD TO LIMIT EXPANSION

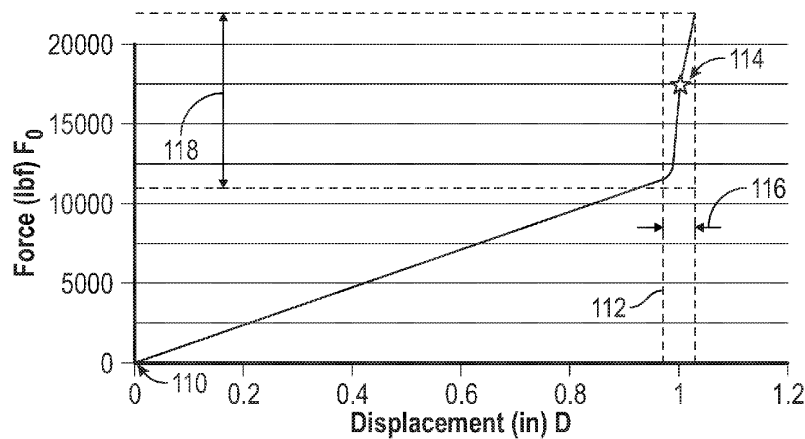


FIG. 4

(57) Abstract: Compliant wellbores screens may be arranged to radially expand in a wellbore. The screens include an outer shroud layer including a perforation pattern thereon arranged for limiting the degree to which the screens are expand. The perforation patterns may permit the screens to be expanded to a predetermined limit by imparting a stable or relatively low expansion force. Once the predetermined limit is reached, the outer shrouds may require a sharp increase in the expansion force for further expansion. The sharp increase will prevent over-expansion of the screens, particularly where precise control over an expansion force imparted to expand the screens proves difficult. The perforation pattern may include arc- shaped perforations formed in sheet metal, spaces between braided metal strands, or many other arrangements.

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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))*