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- (54) Title: SAND CONTROL SCREEN ASSEMBLY HAVING A COMPLIANT DRAINAGE LAYER

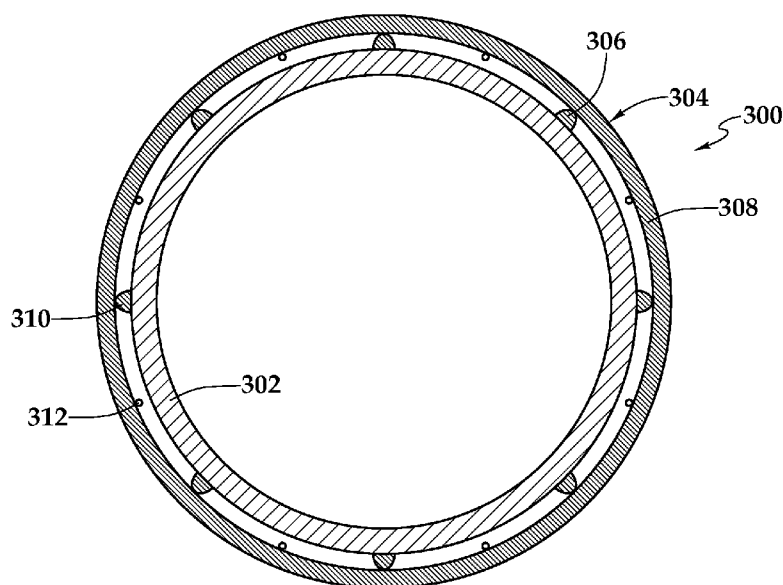


Fig. 4A

(57) Abstract: A sand control screen assembly (300) includes a base pipe (302) having at least one opening in a sidewall thereof and a screen jacket positioned about the base pipe (302). The screen jacket includes a drainage layer (304) and a filter medium positioned about the drainage layer (304). The drainage layer (304) includes a plurality of circumferentially distributed axially extending ribs (306) and a wrap wire (308) positioned around the ribs (306) forming a plurality of turns having gaps therebetween. The ribs (306) includes a plurality of first ribs (310) having a first cross-sectional rib profile, shaped and sized to maintain an annular space between the wrap wire (308) and the base pipe (302) and a plurality of second ribs (312) having a second cross-sectional rib profile, shaped and sized to provide for a gap between the second ribs (312) and the base pipe (302).



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