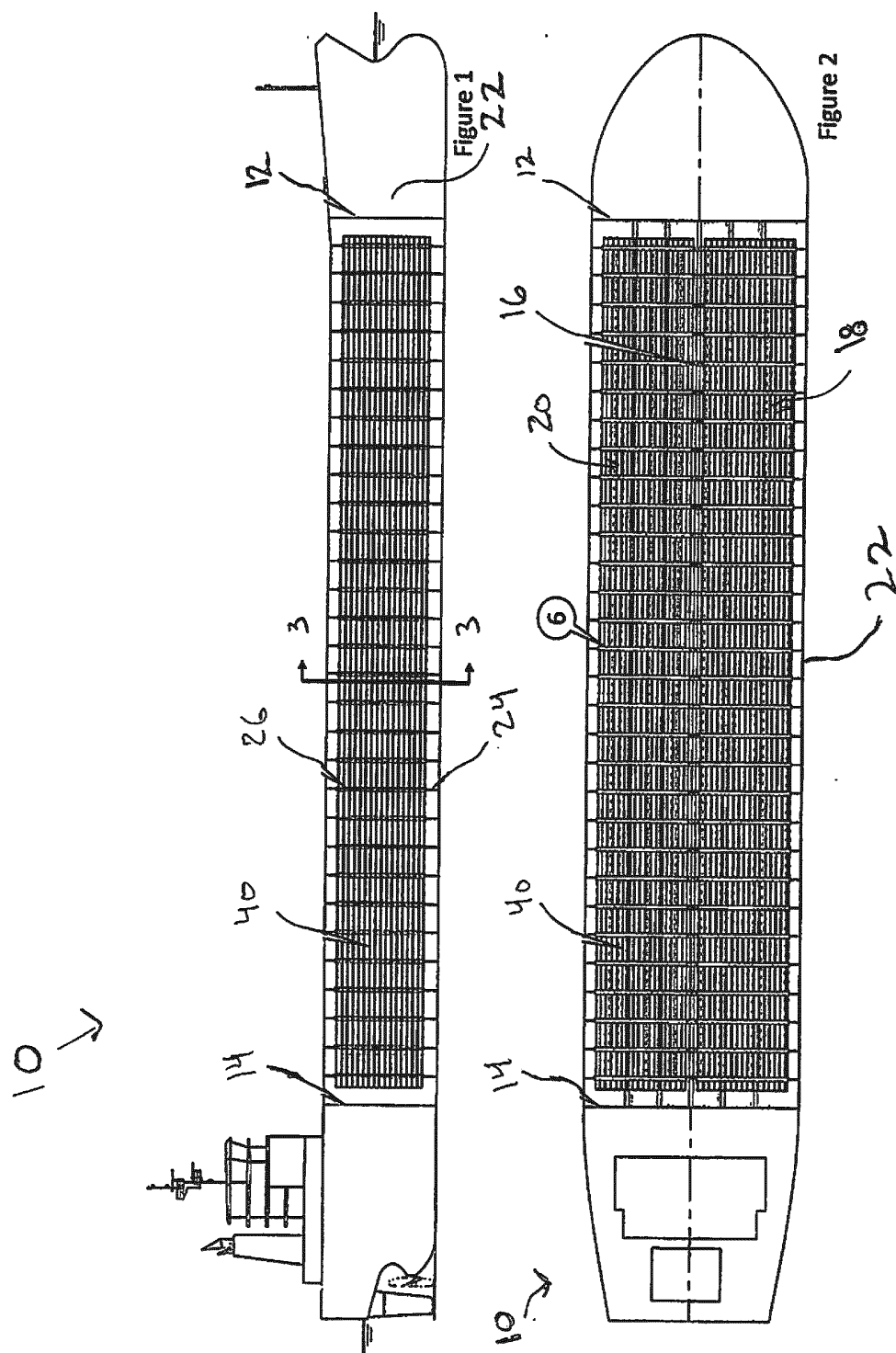




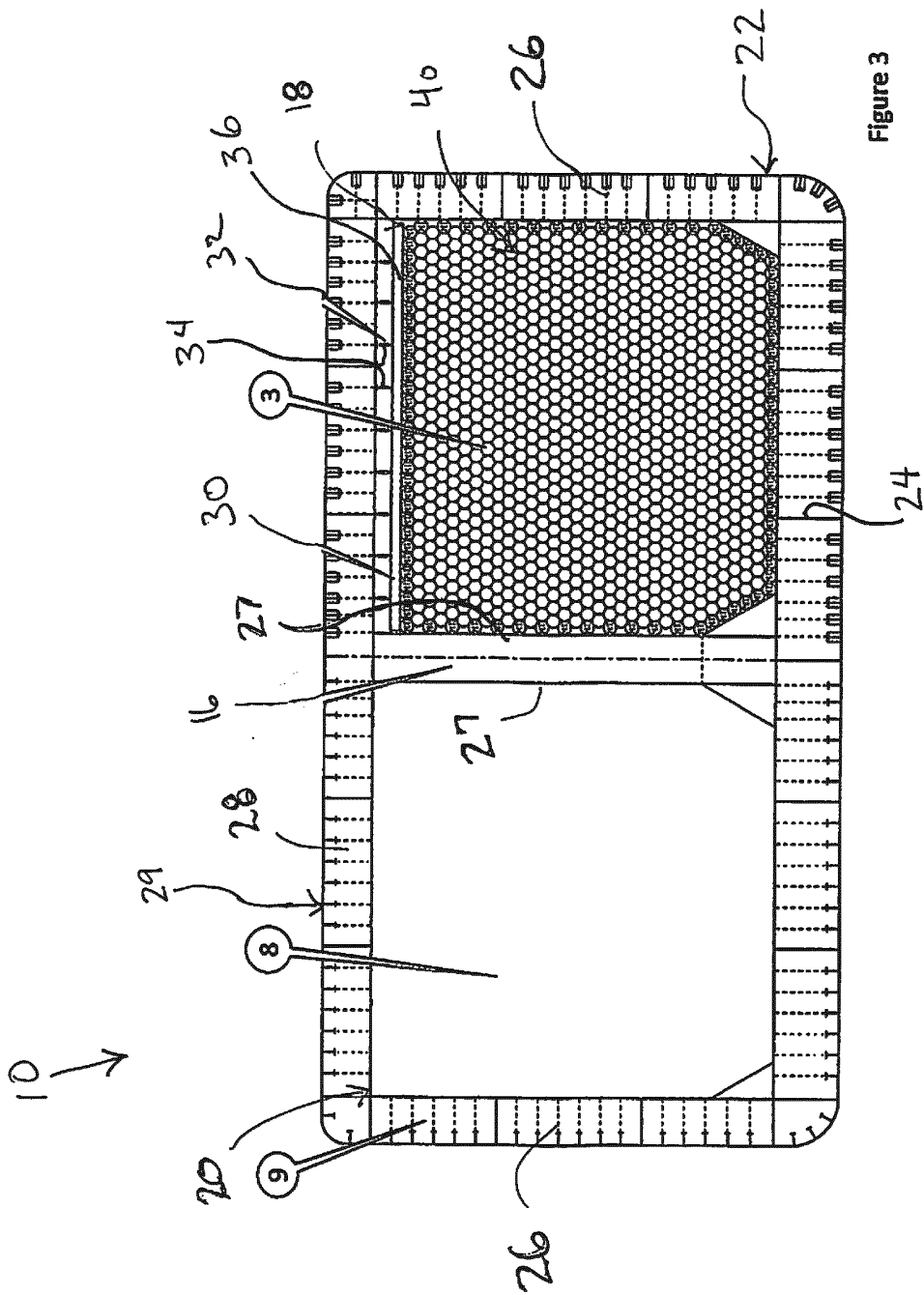
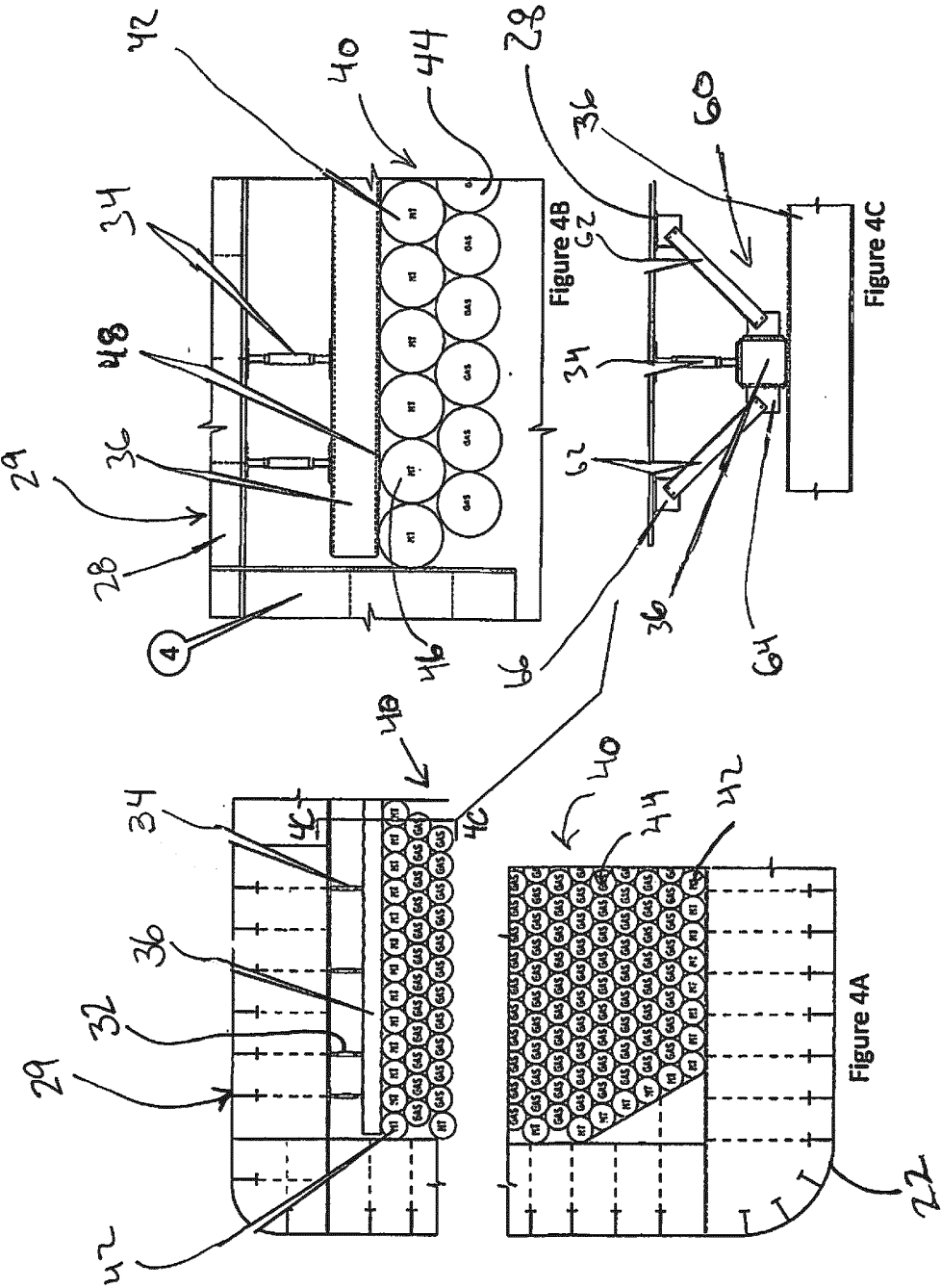


Figure 3



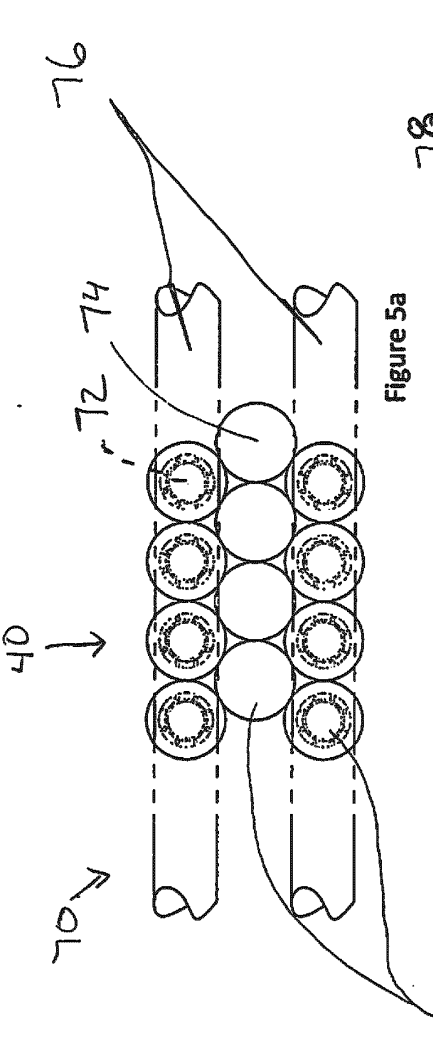


Figure 5a

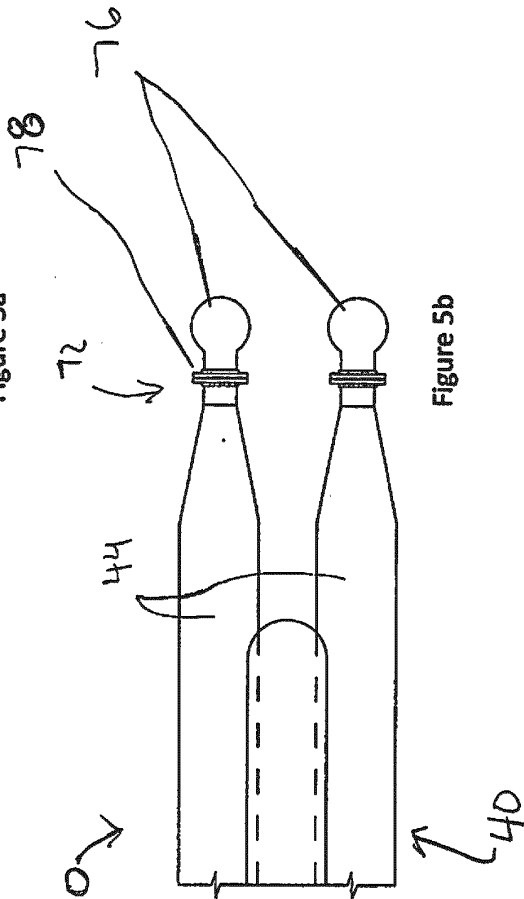
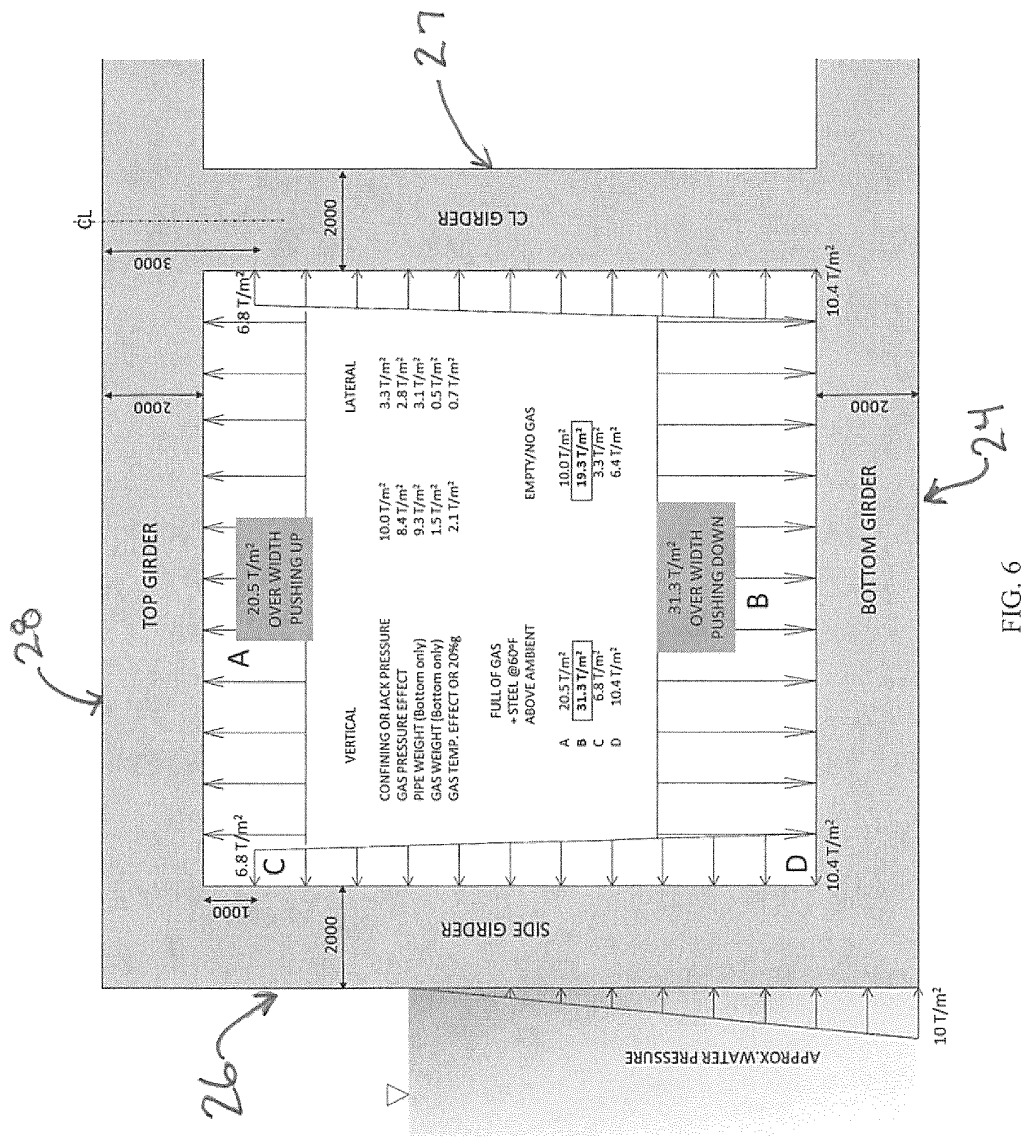


Figure 5b



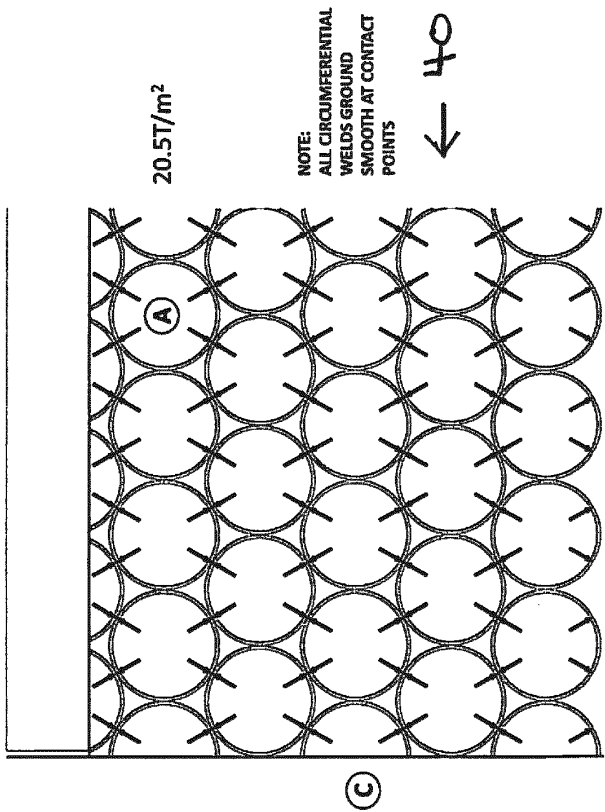


FIG. 7

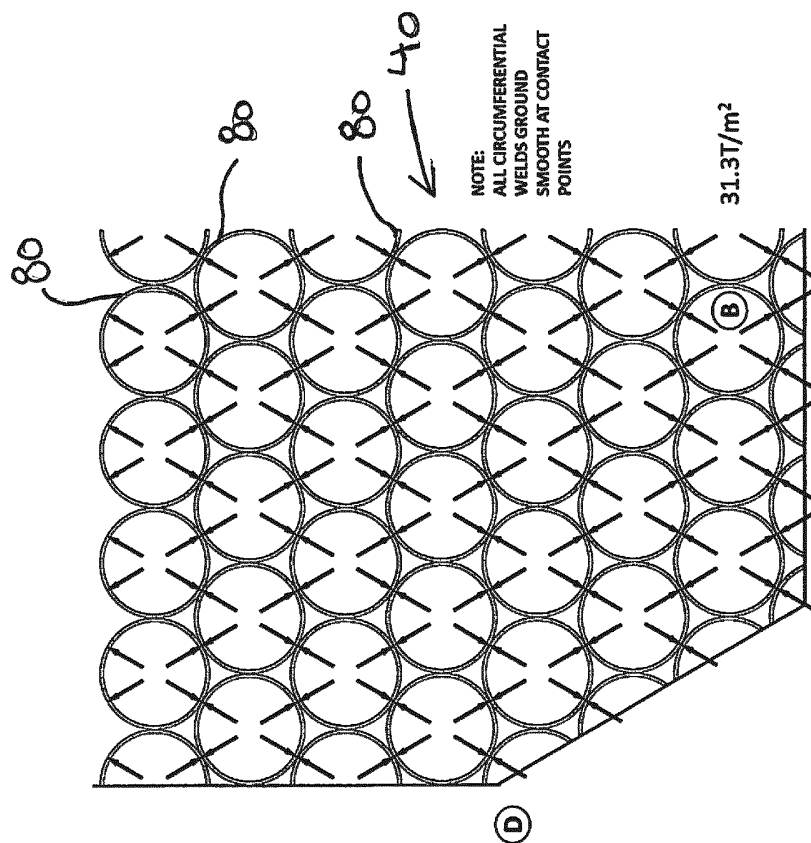


FIG. 8

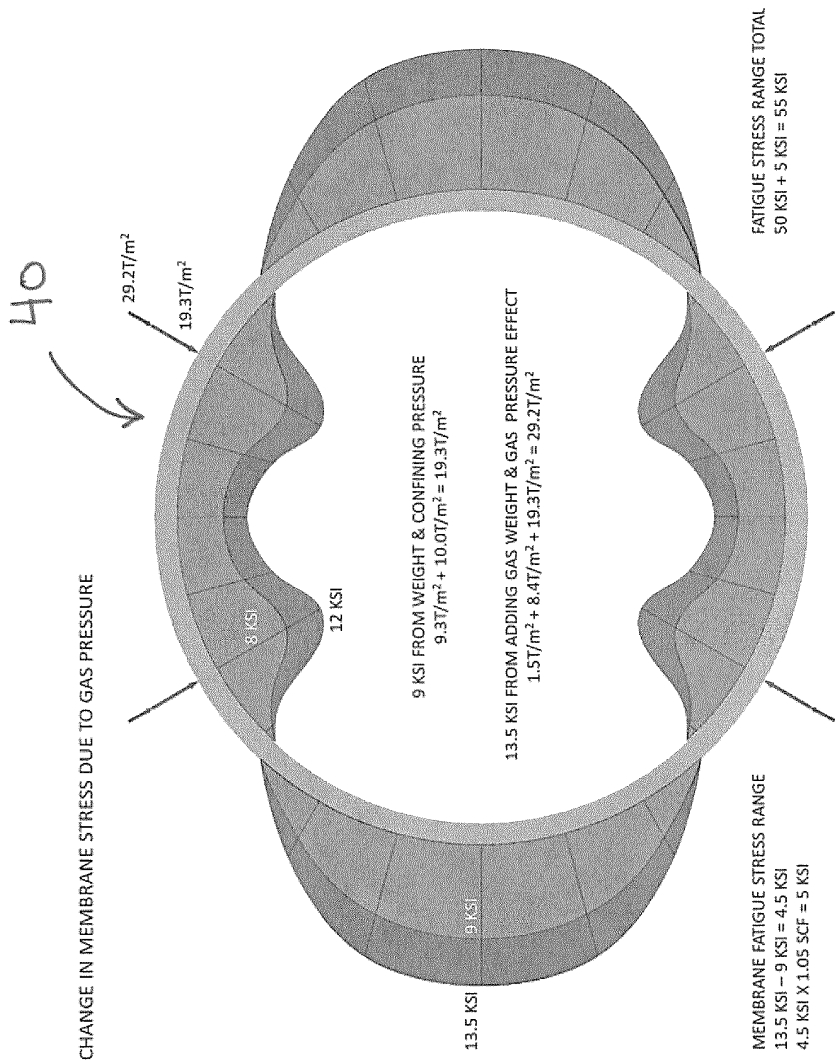


FIG. 9

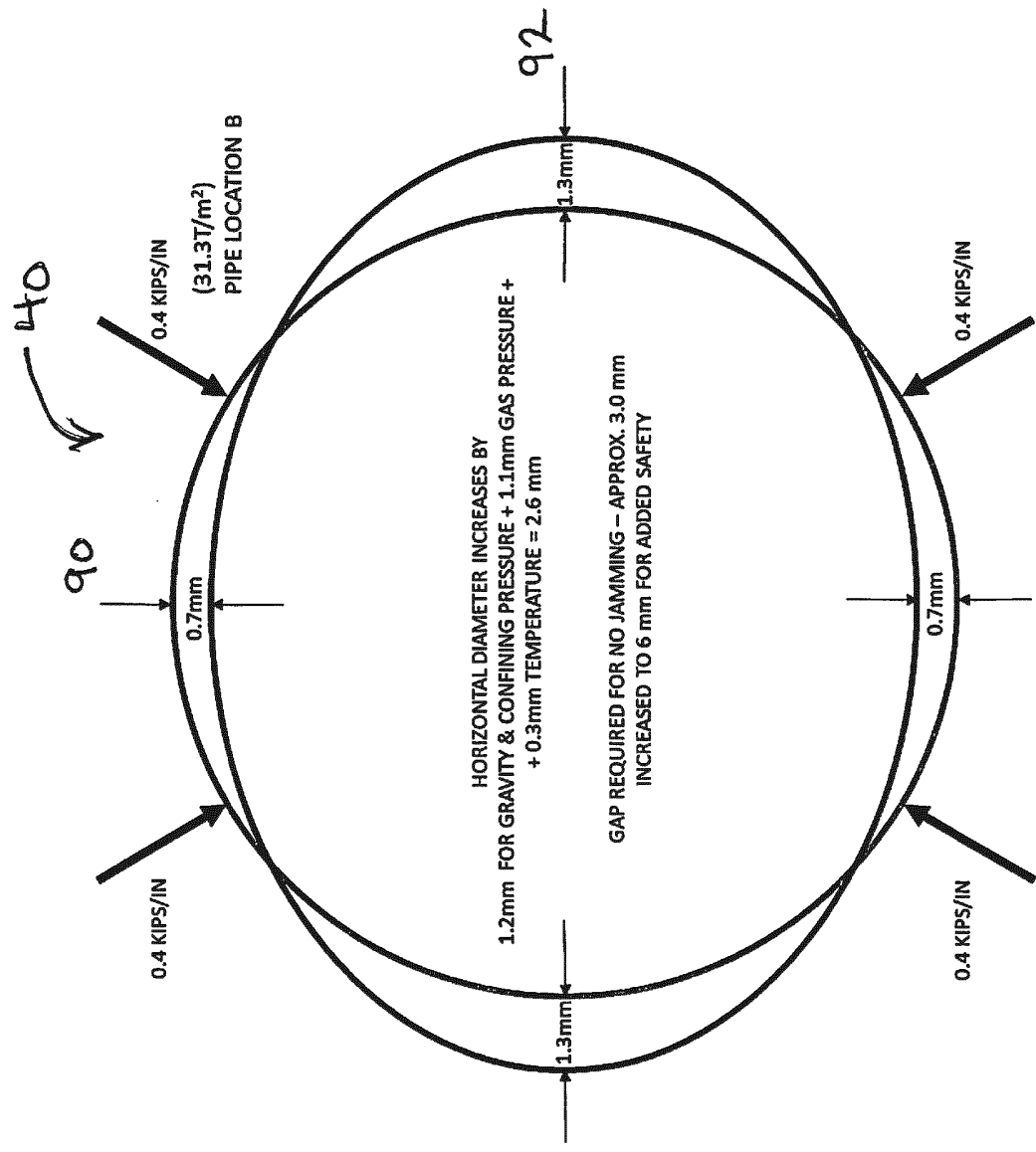


FIG. 10

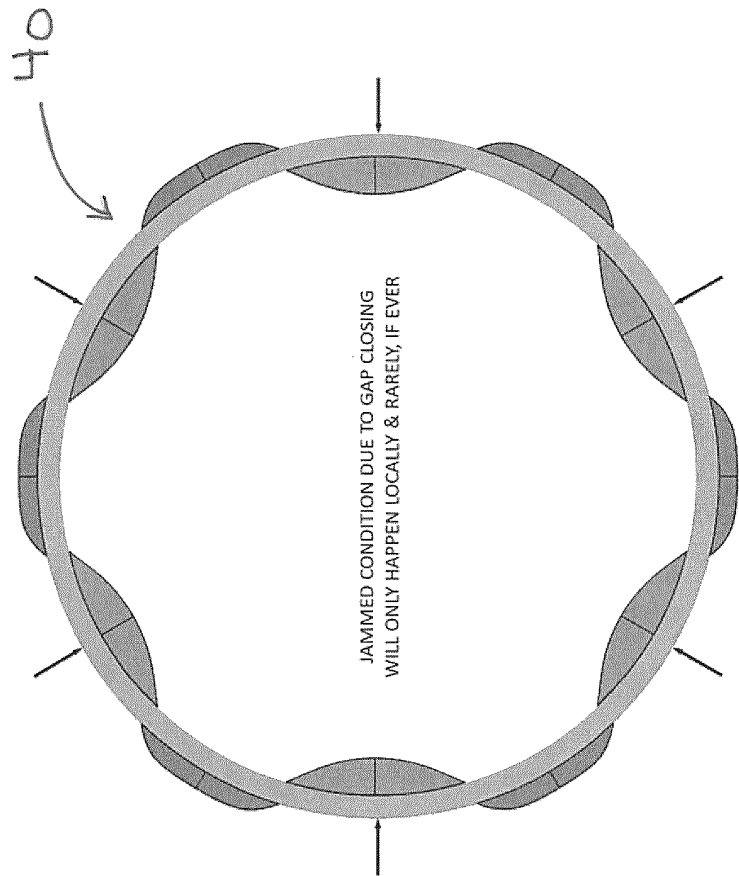


FIG. 11

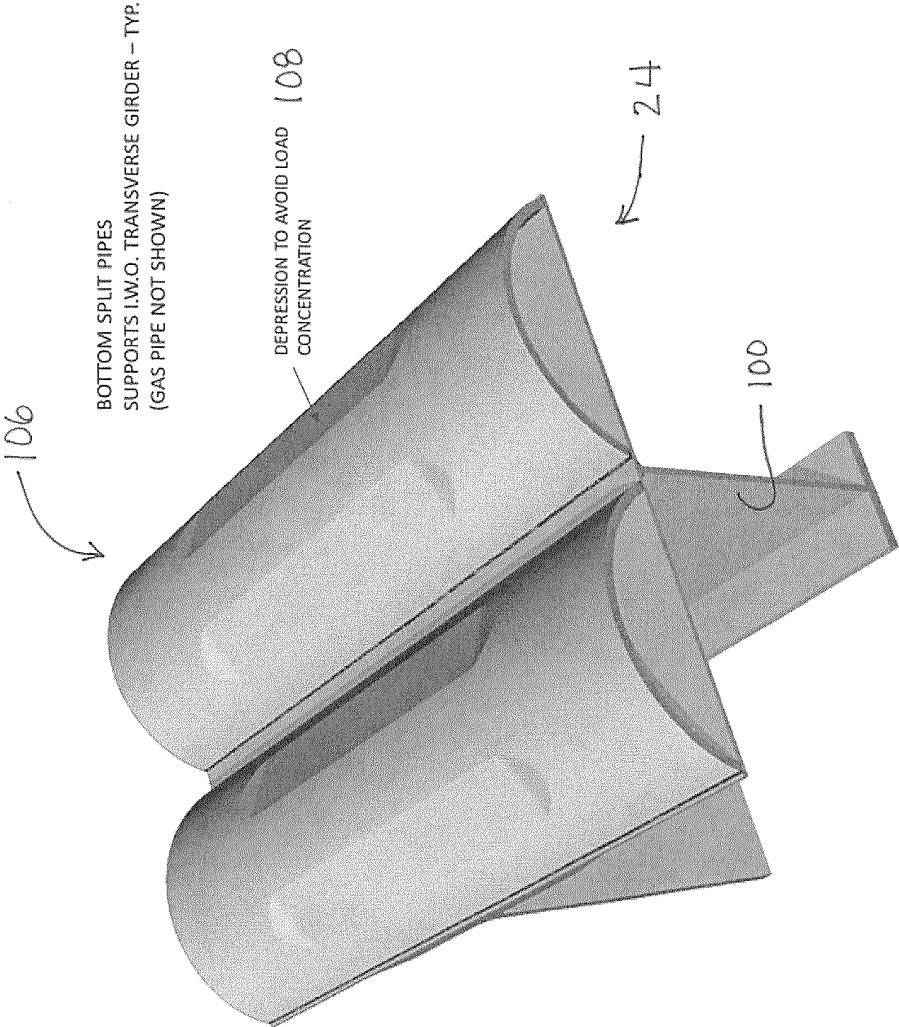
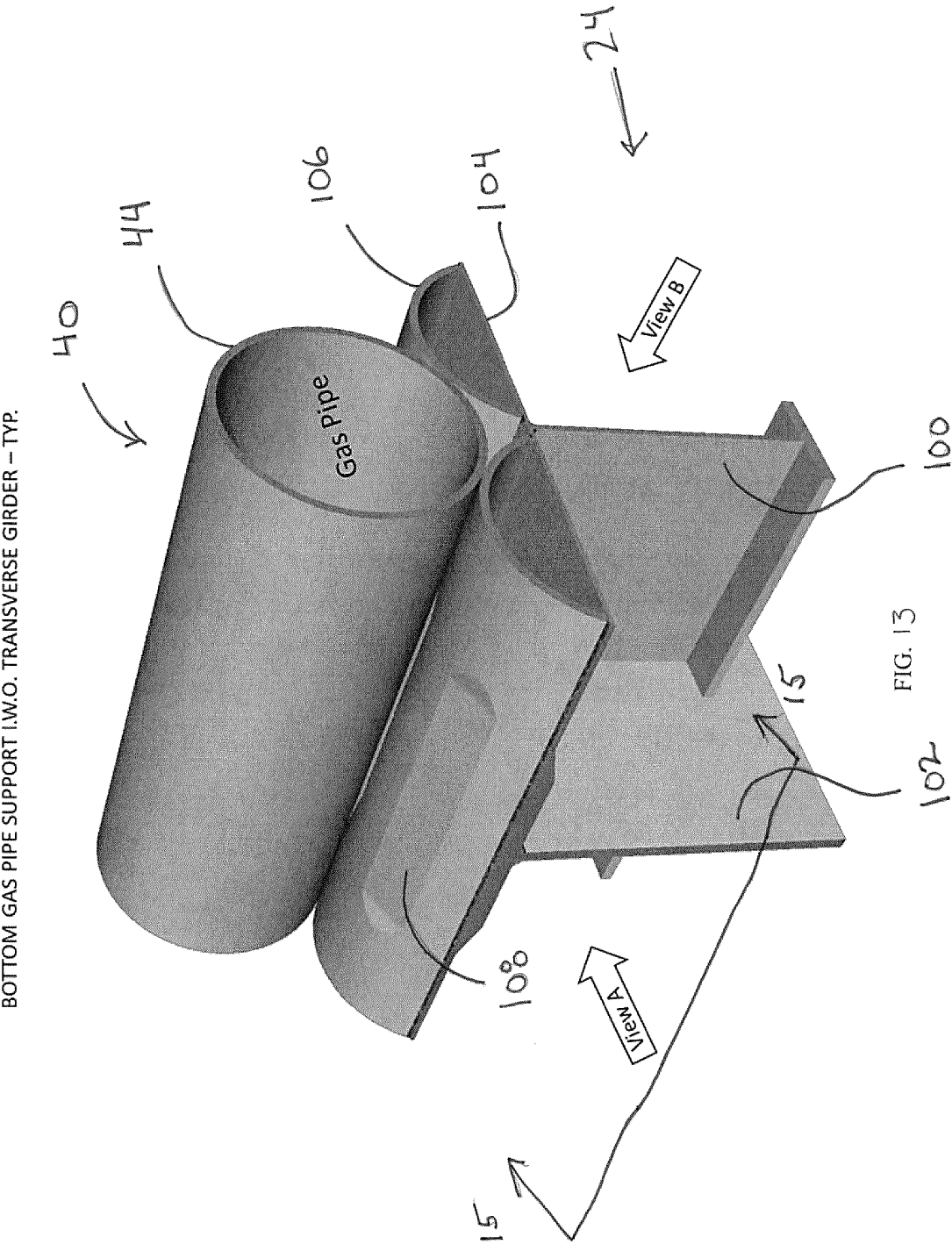


FIG. 12



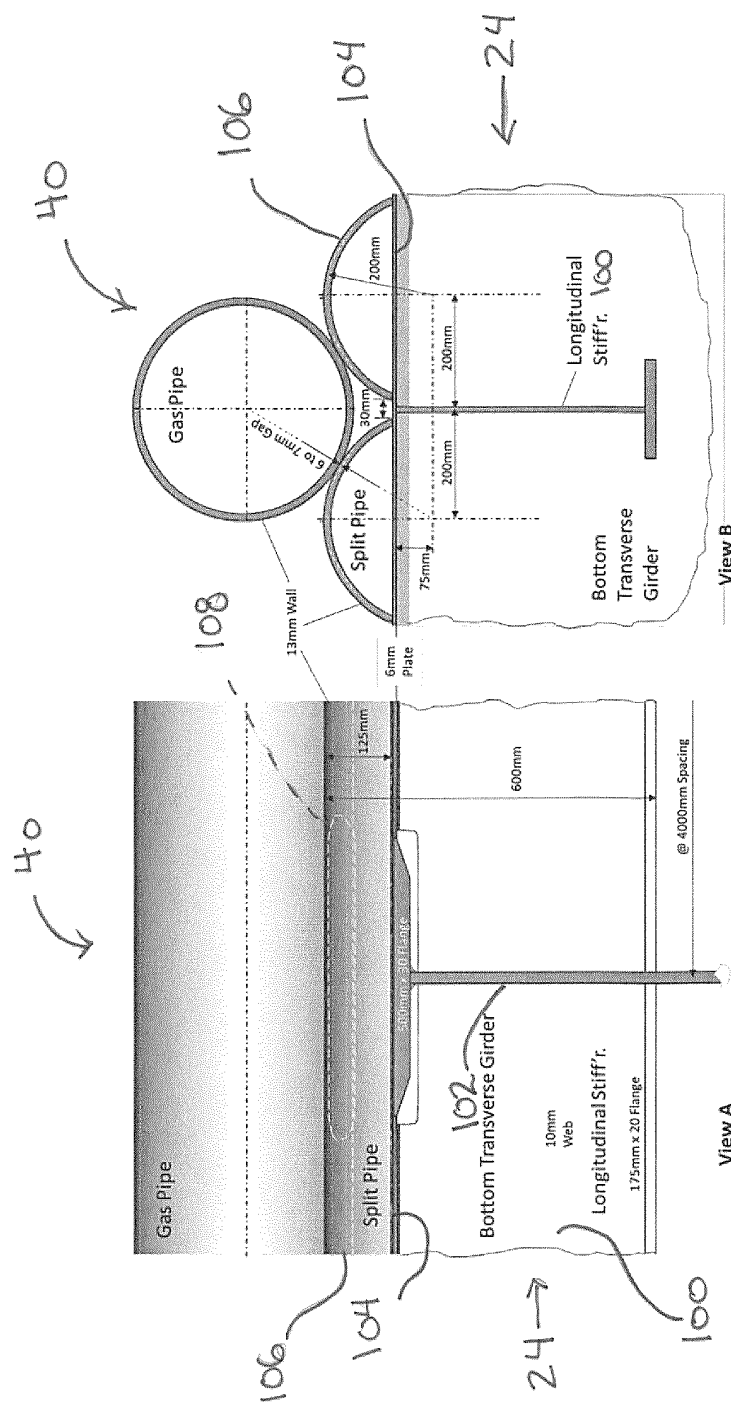
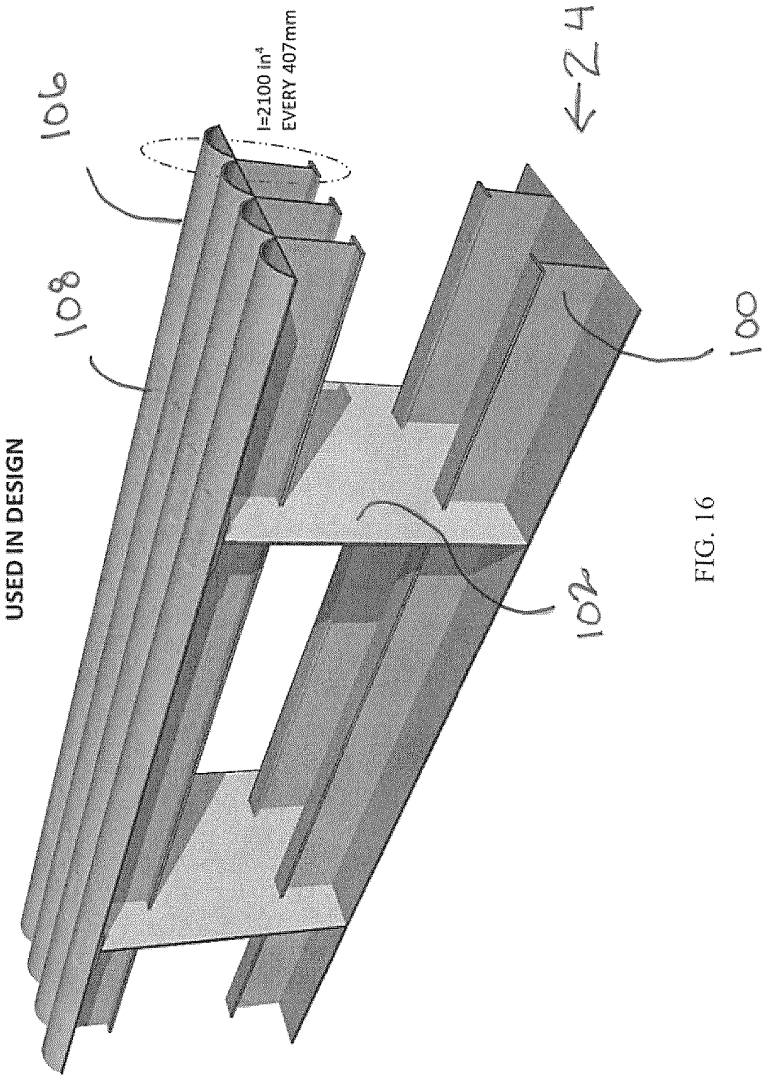


FIG. 15

FIG. 14



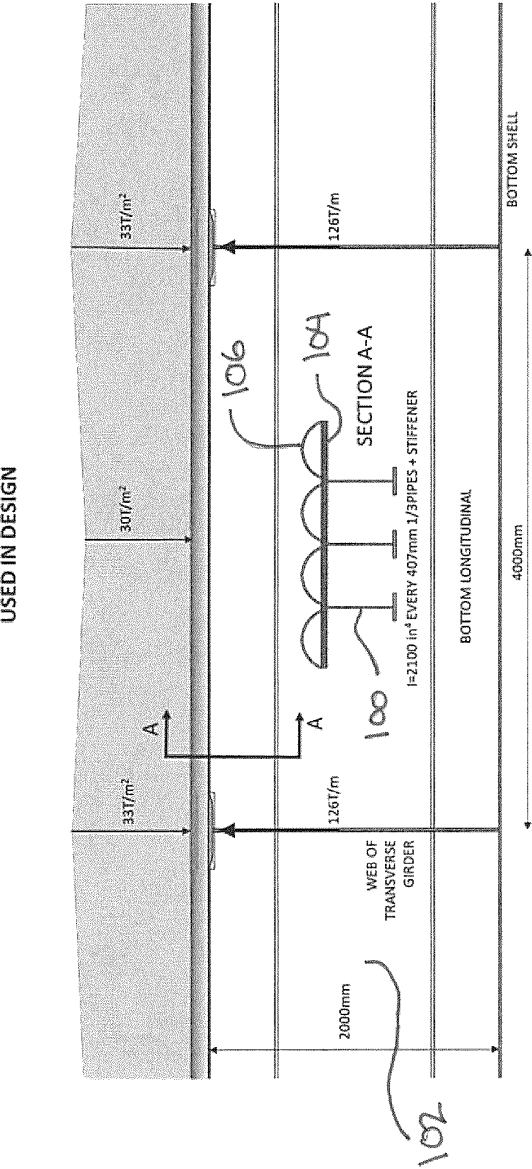
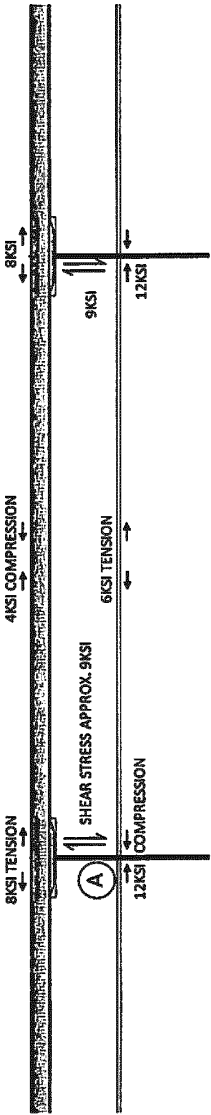


FIG. 17

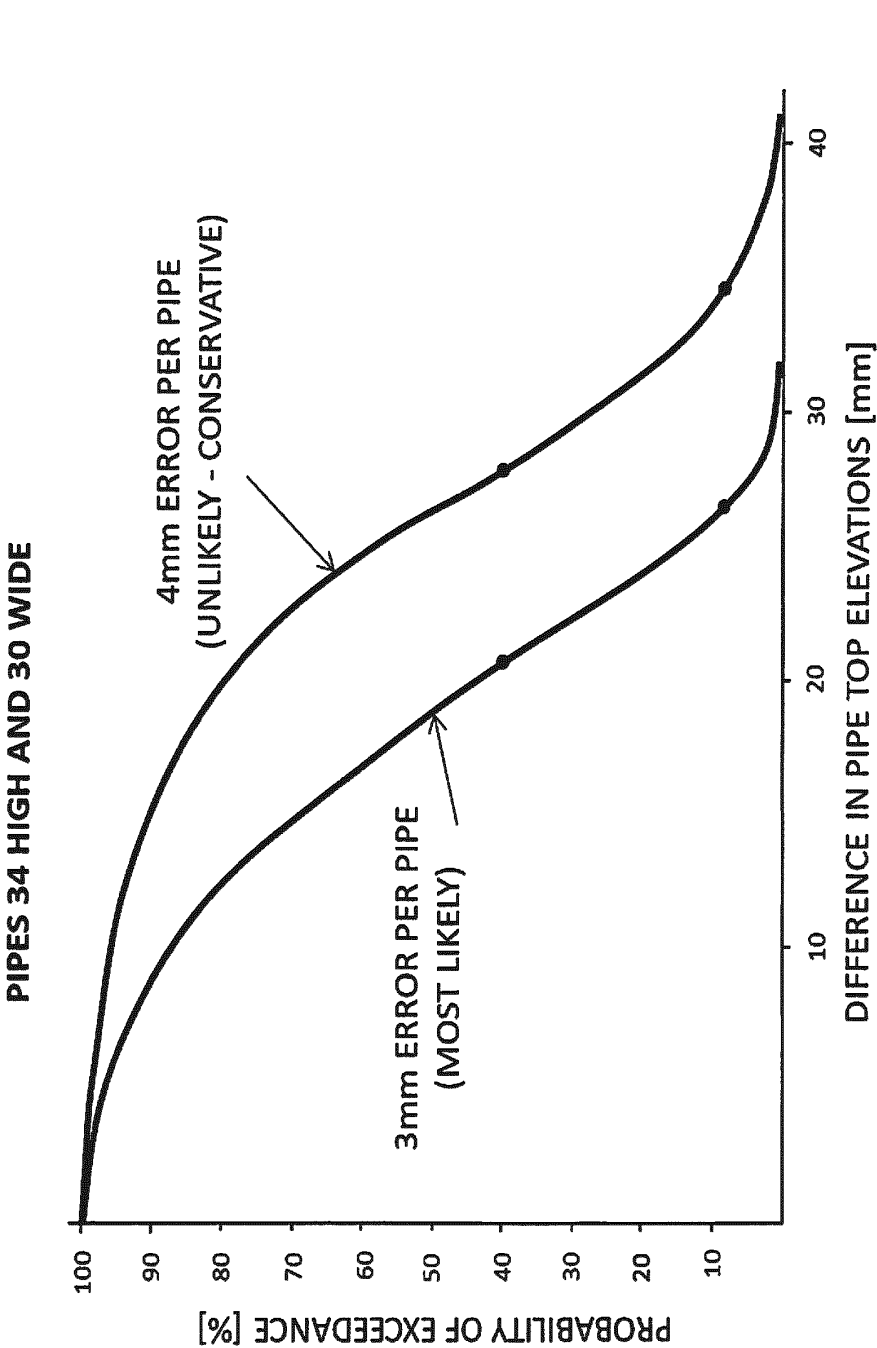
USED IN DESIGN

STRESSES IN 1/3DUMMY PIPE & STIFFENER
UNDER MAX. PRESSURE OF 31.3 T/m²



WHEN EMPTY OF GAS, STRESSES DROP BY 40%
I.E. ONCE A WEEK 12KSI DROPS TO 7 KSI
WEEKLY RANGE AROUND 5 KSI AT LOCATION "A"

FIG. 18



CONCLUSION: ONLY 1% CHANCE THAT ~30mm WILL BE EXCEEDED ACROSS WIDTH

FIG. 19

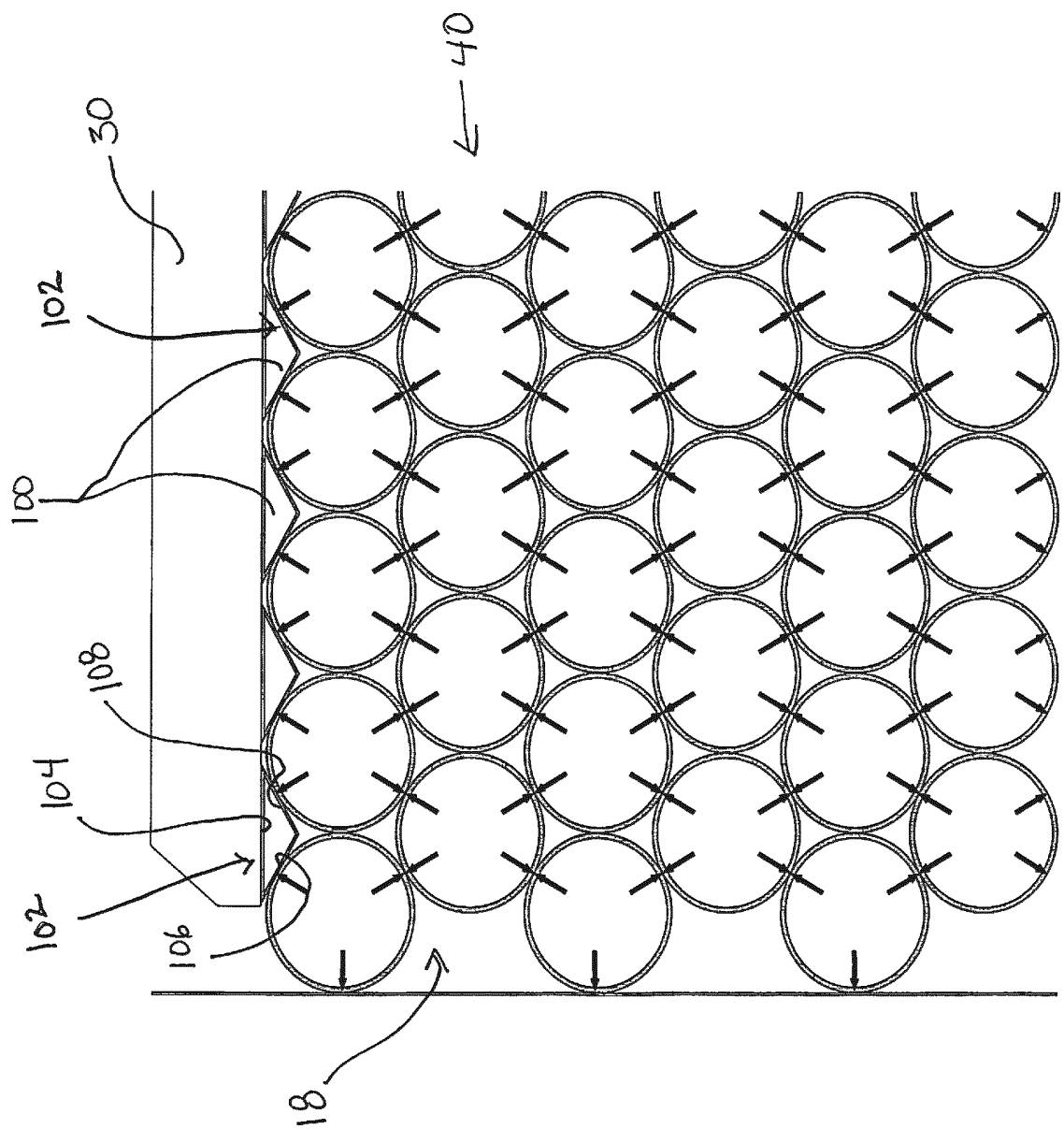
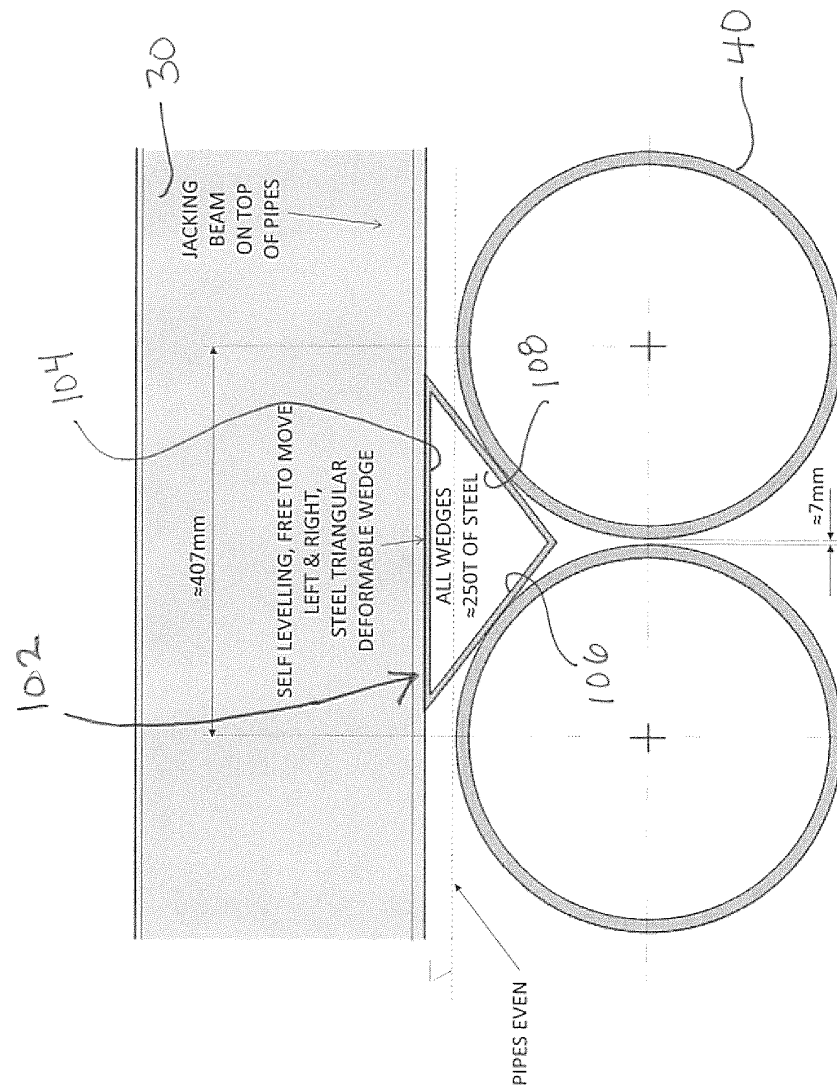


FIG. 20



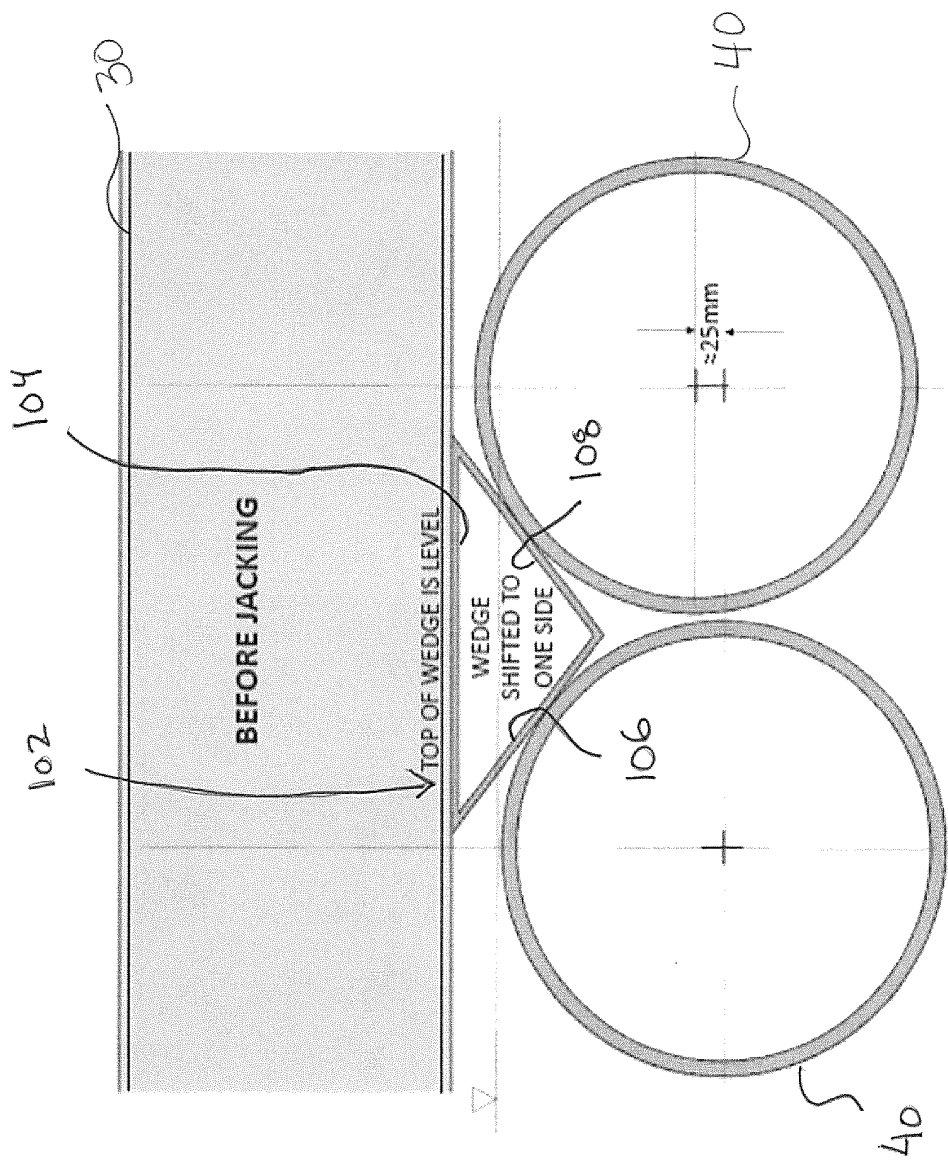
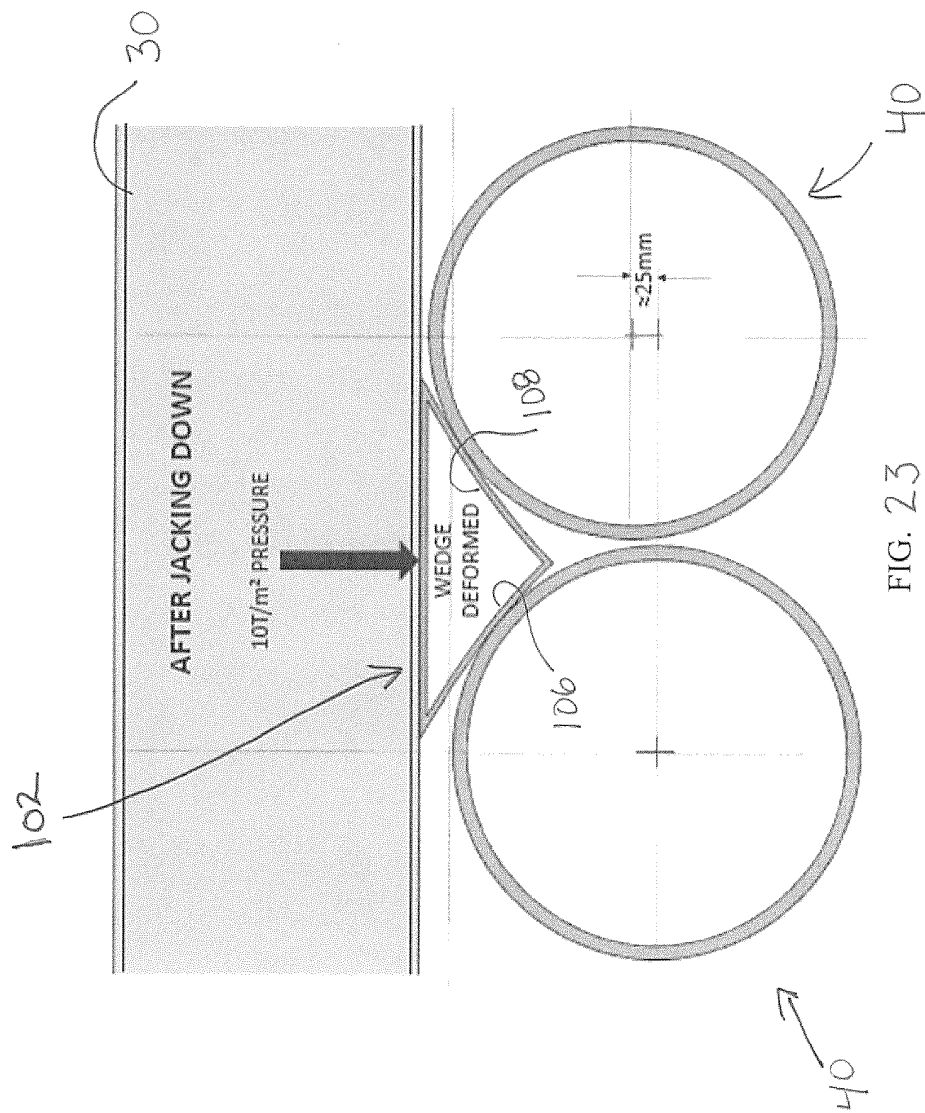


FIG. 22



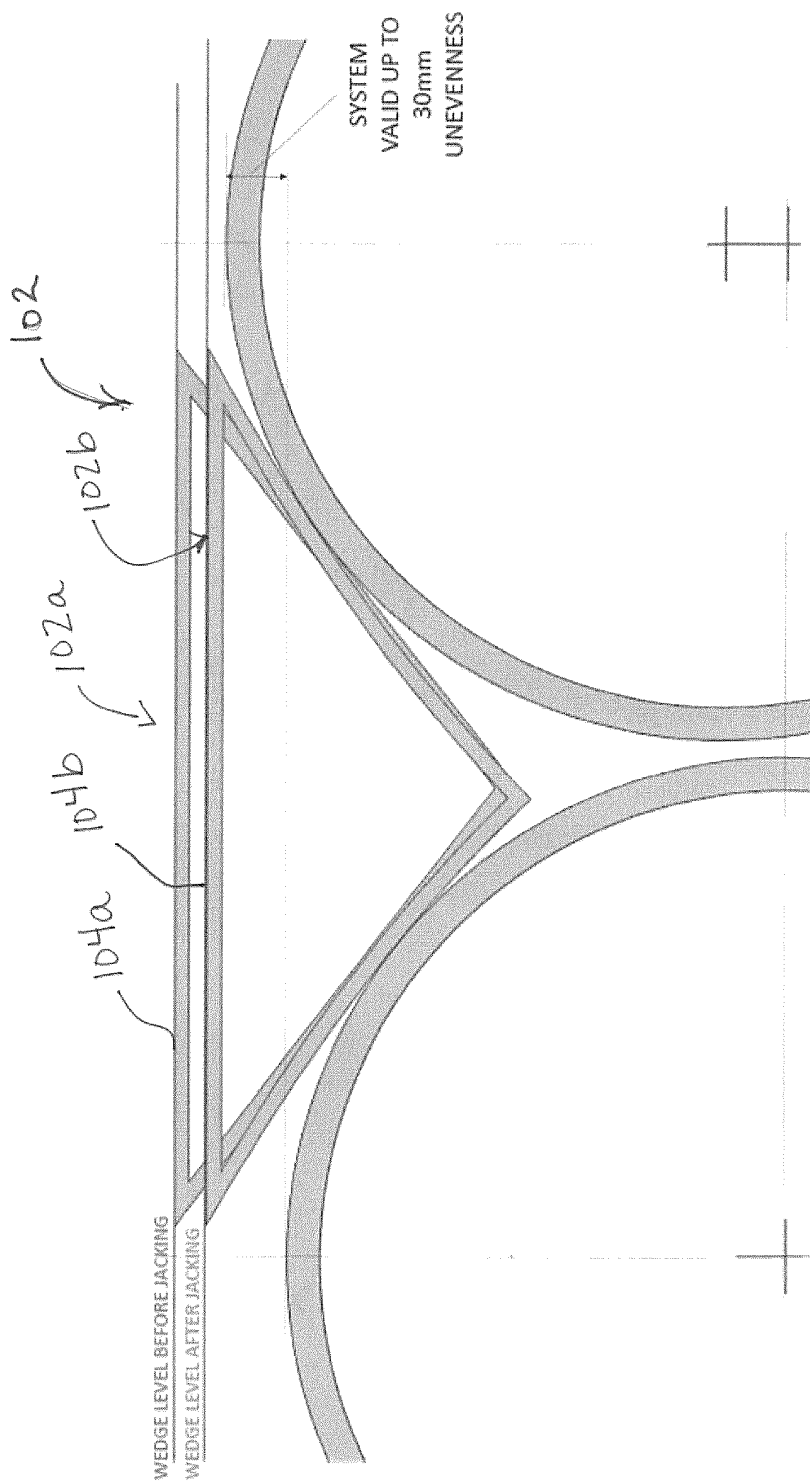


FIG. 24

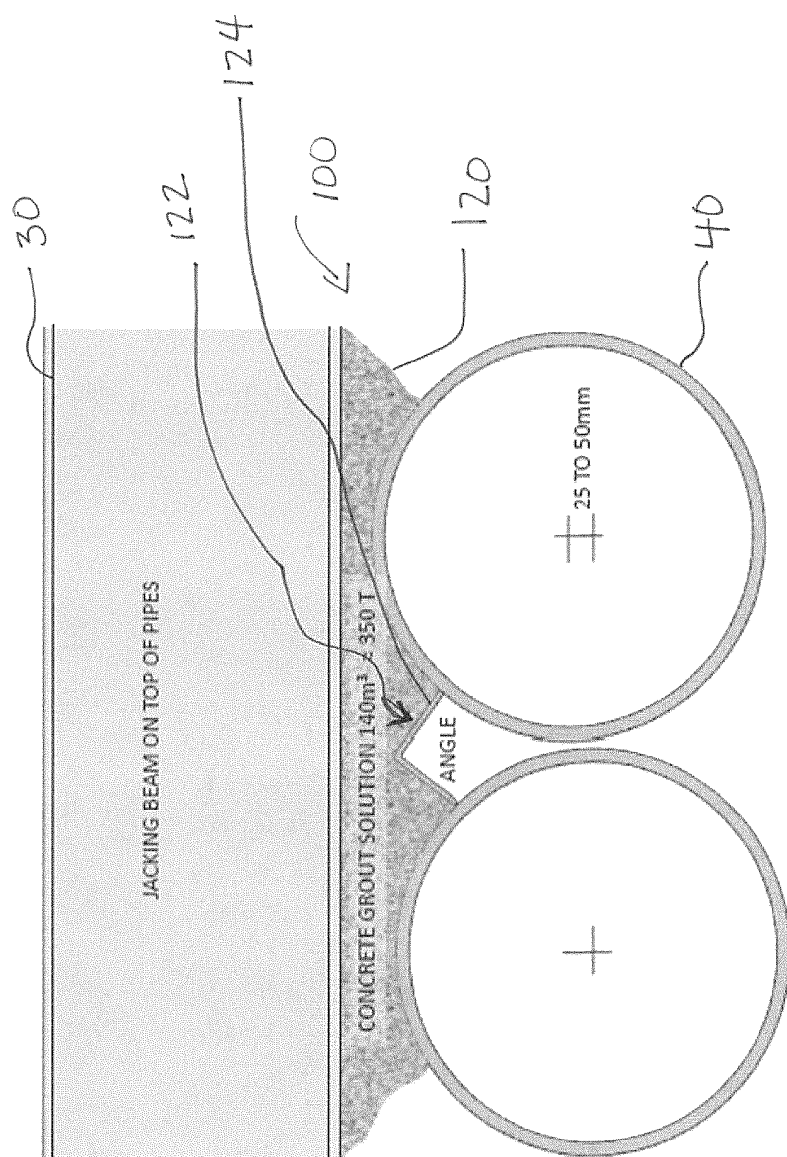


FIG. 25