FIG. 1

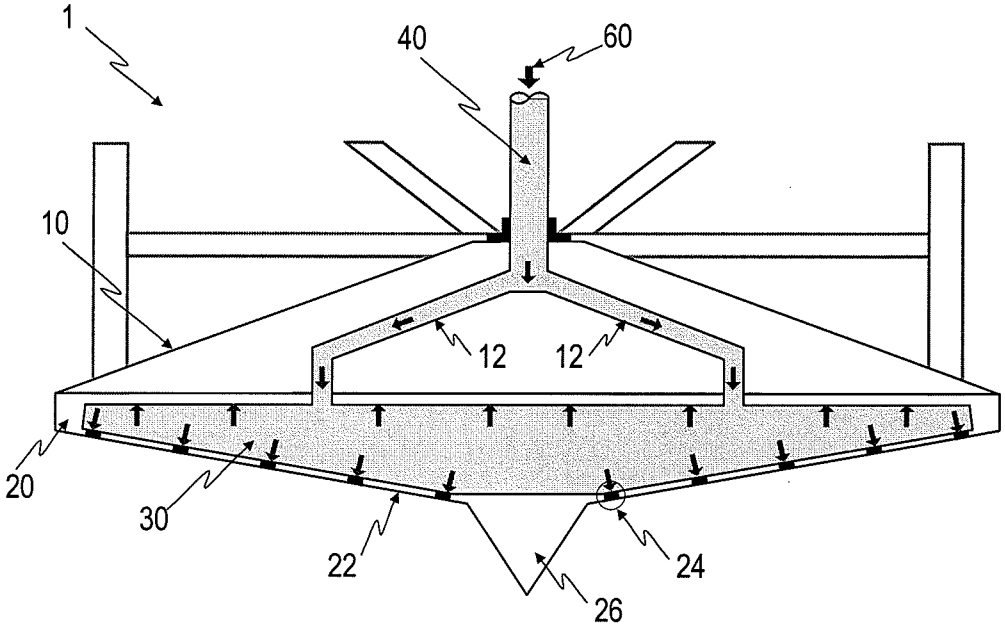


FIG. 2

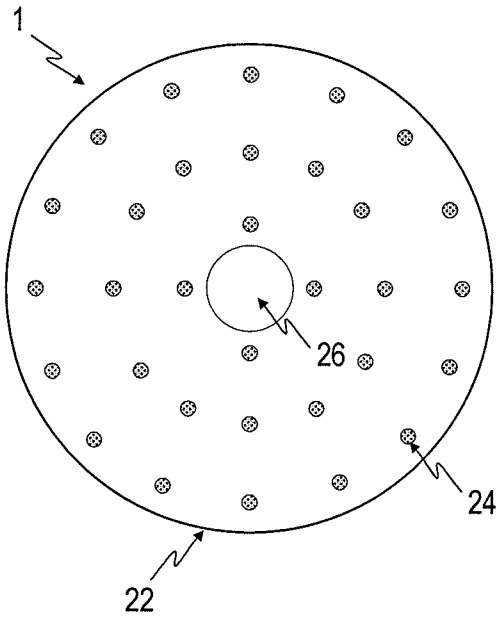


FIG. 3

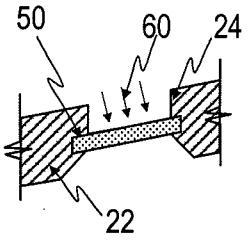


FIG. 4

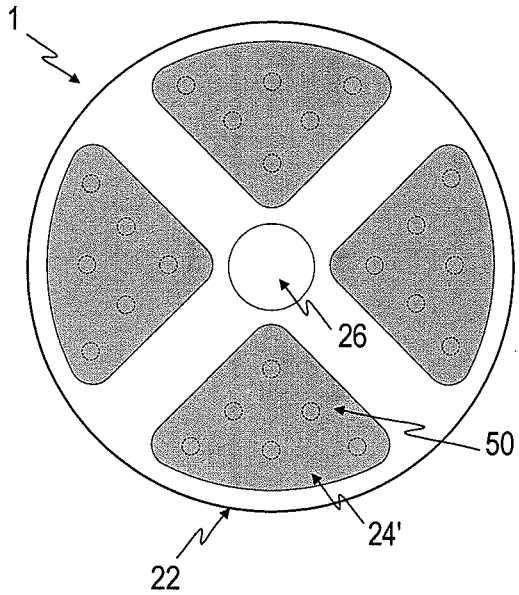

1
26
50
24'
22

FIG. 5

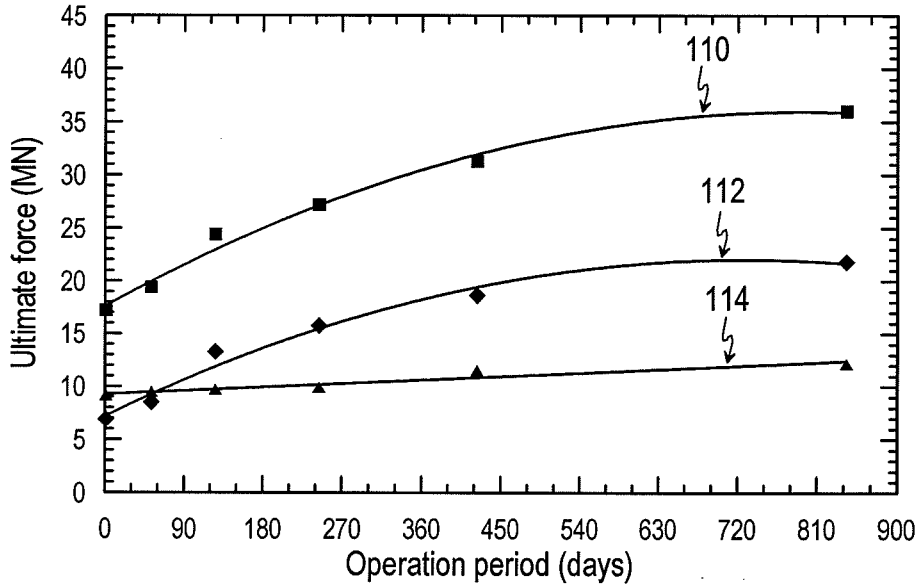

Ultimate force (MN)
45
40
35
30
25
20
15
10
5
0
0
90
180
270
360
450
540
630
720
810
900
Operation period (days)
110
112
114

FIG. 6

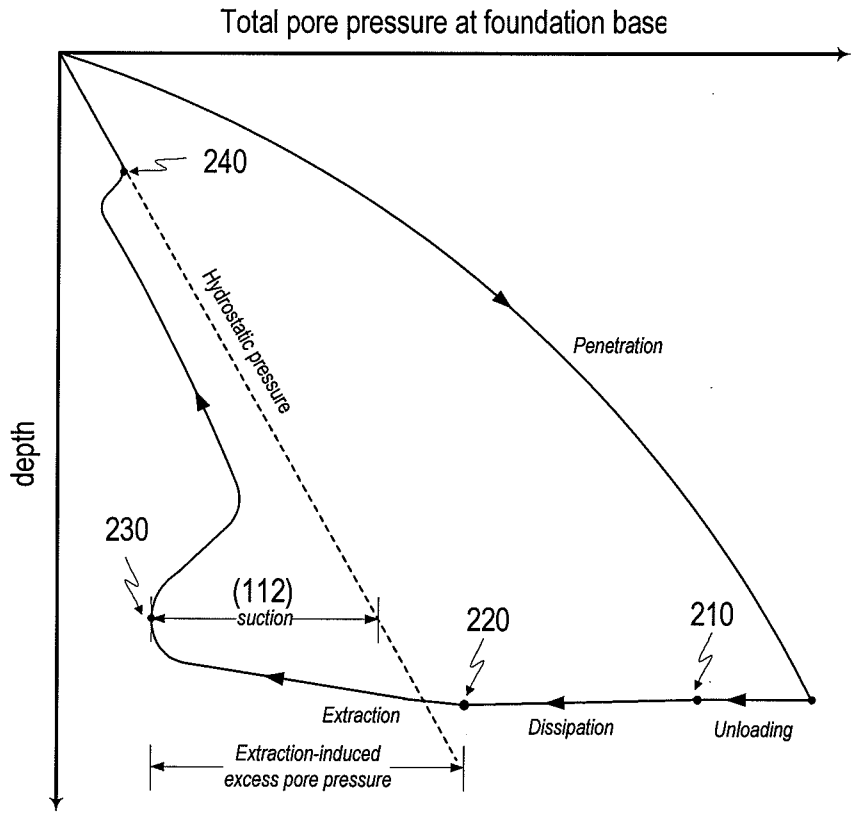
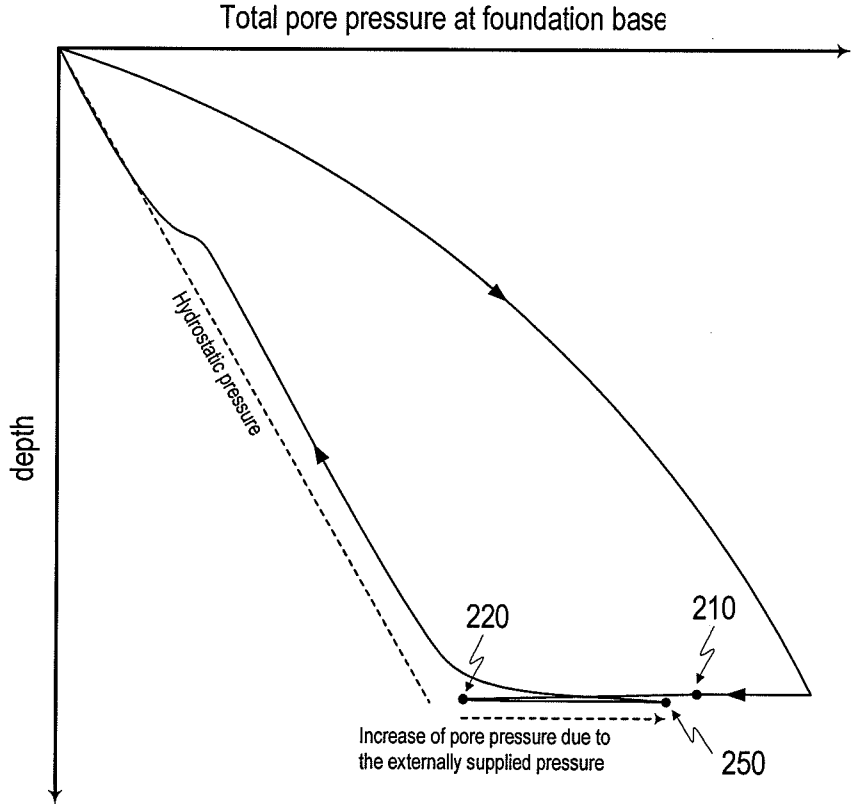

Total pore pressure at foundation base
depth
240
Hydrostatic pressure
Penetration
230
(112)
suction
220
210
Extraction
Dissipation
Unloading
Extraction-induced
excess pore pressure

FIG. 7


Total pore pressure at foundation base
depth
Hydrostatic pressure
220
210
Increase of pore pressure due to
the externally supplied pressure
250