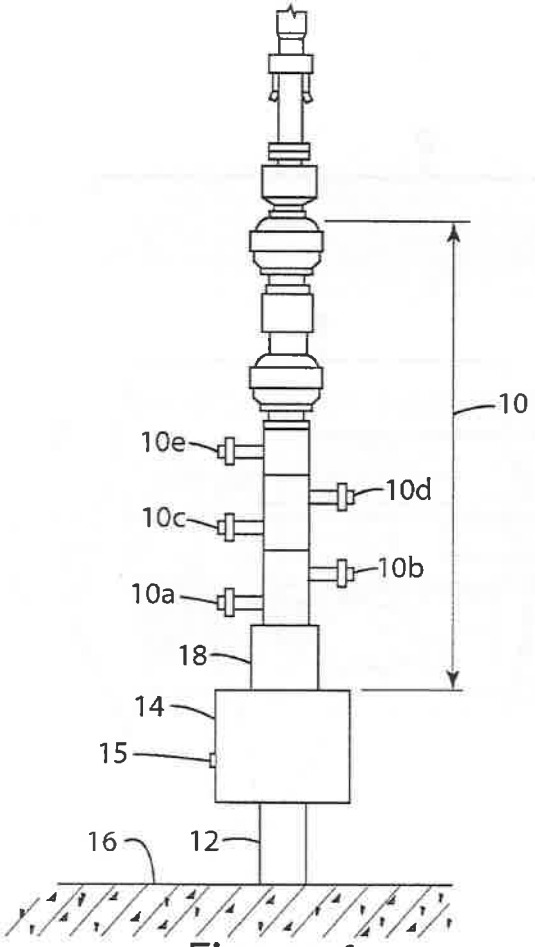


Figure 1
(Background Art)

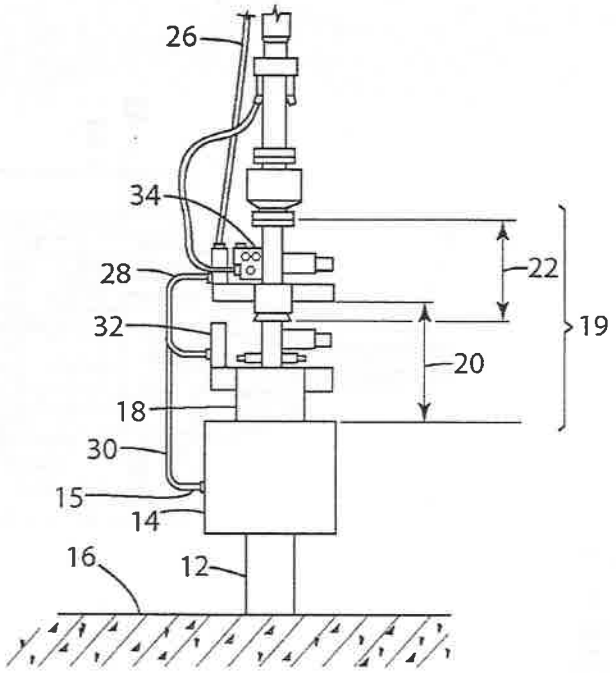


Figure 2
(Background Art)

Figure 3

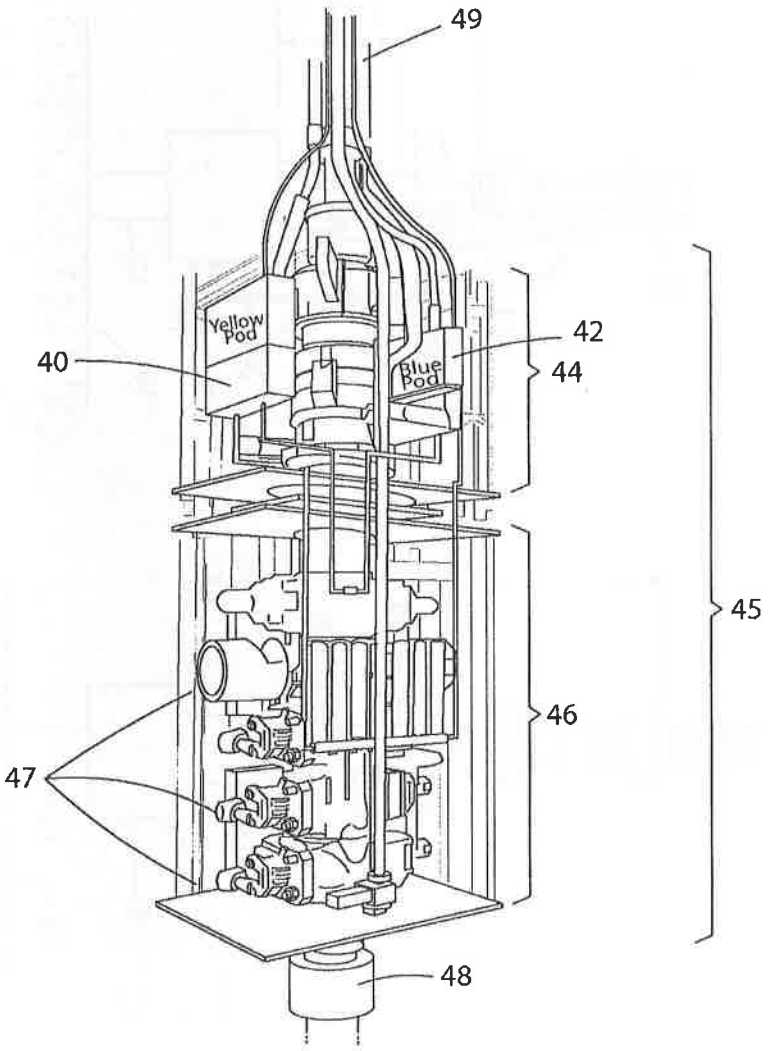


Figure 4

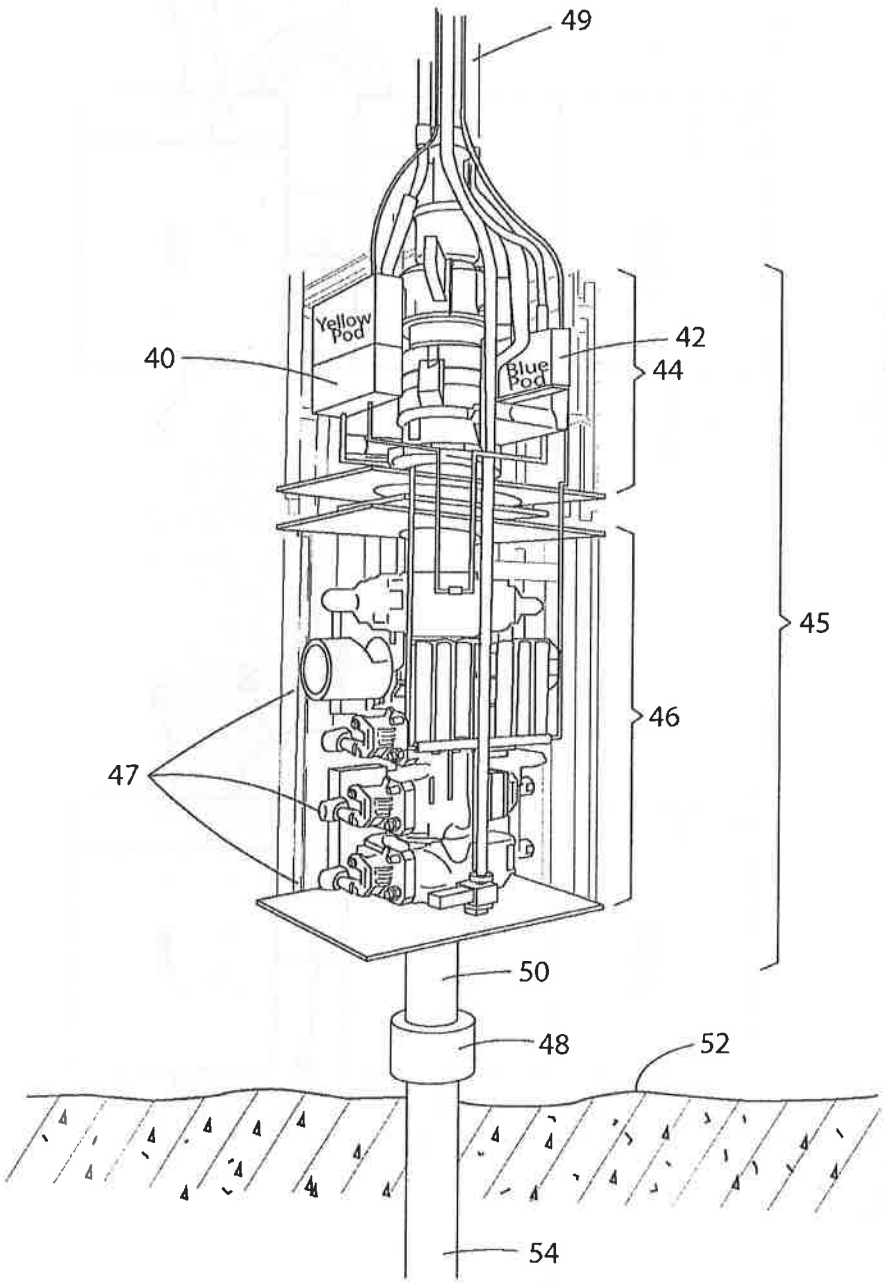


Figure 5

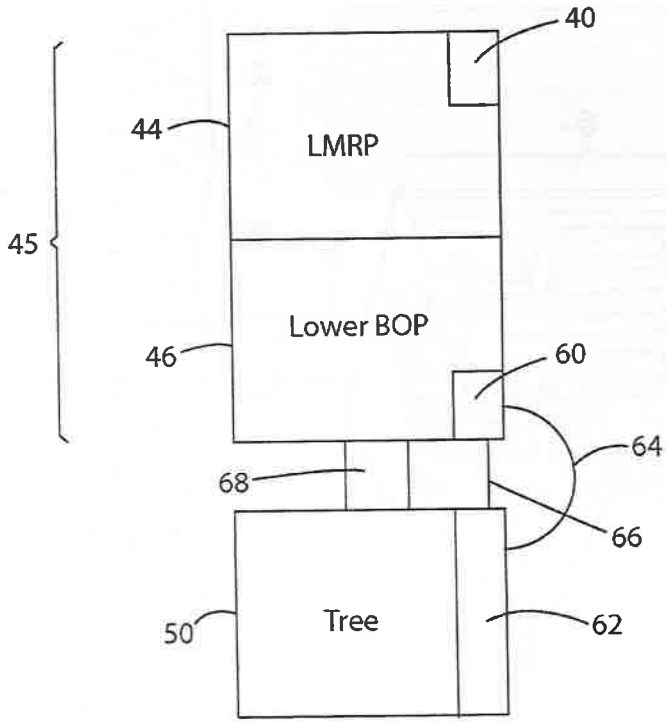


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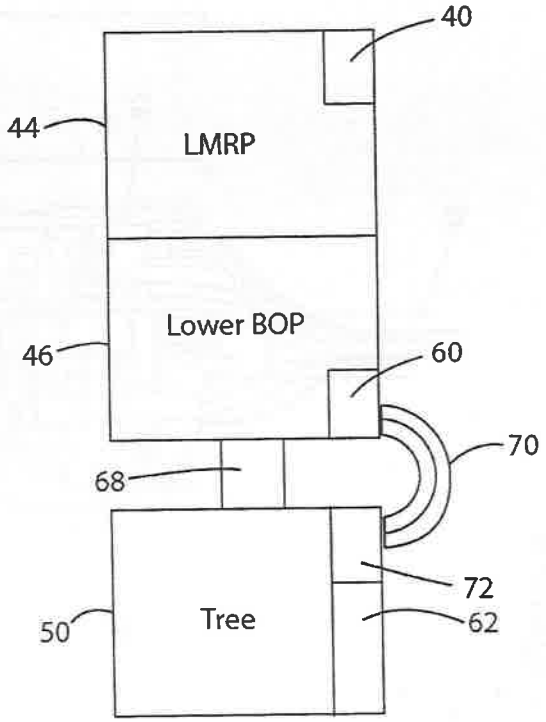


Figure 7

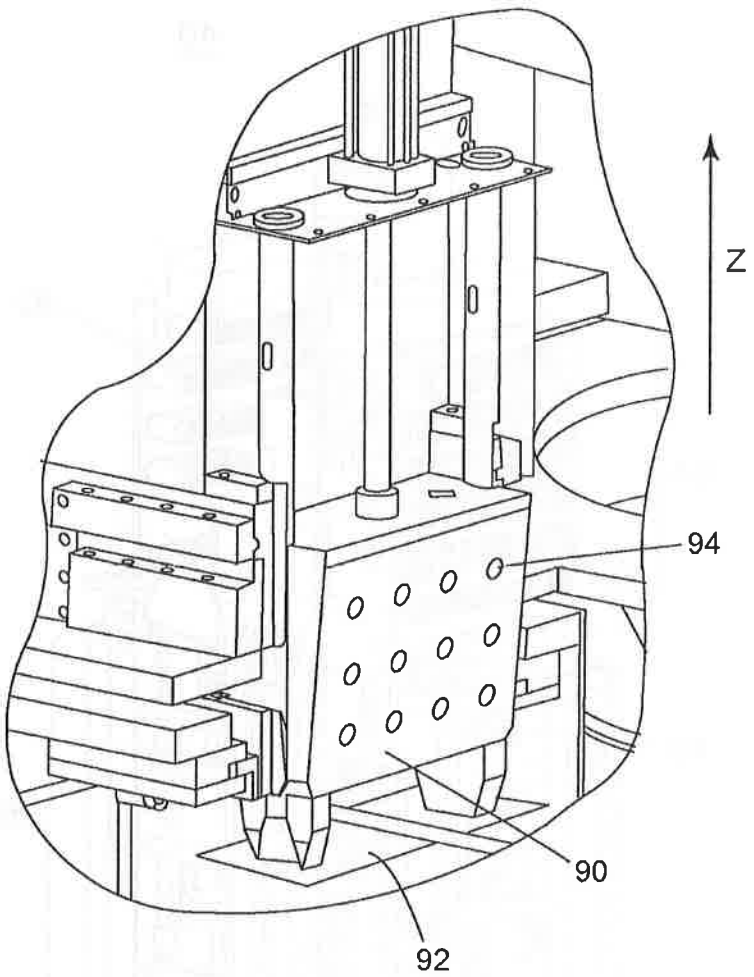


Figure 8

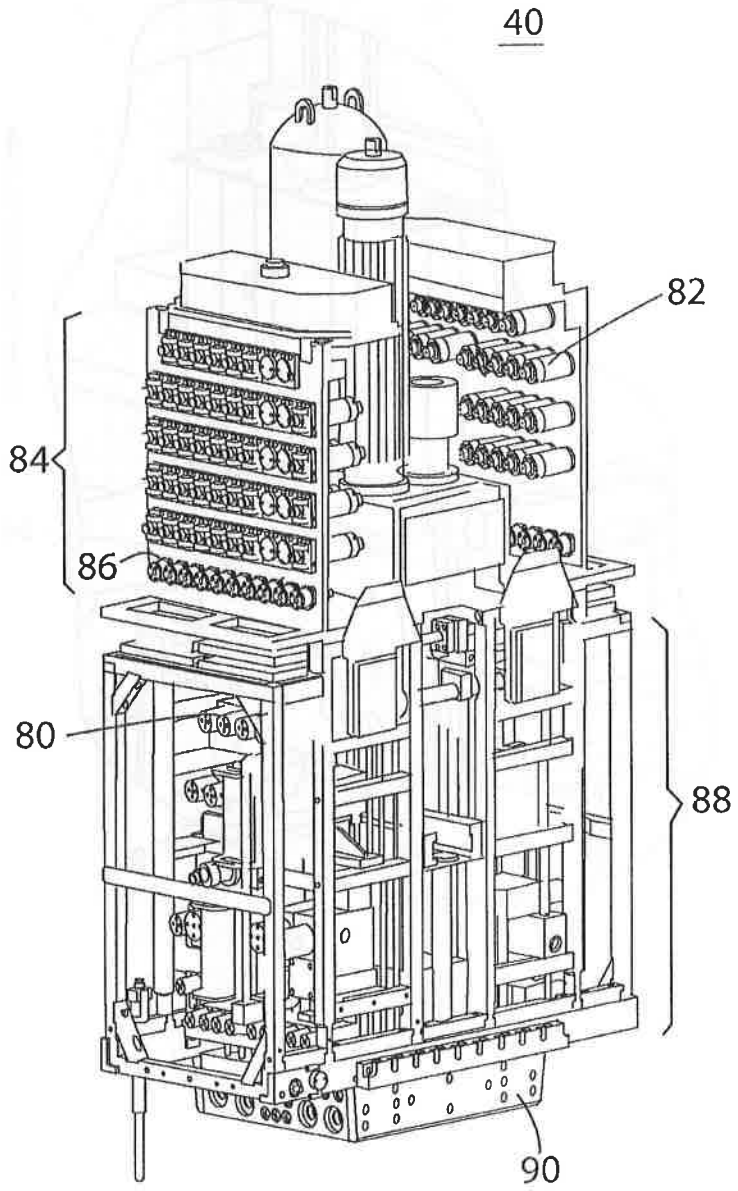


Figure 9

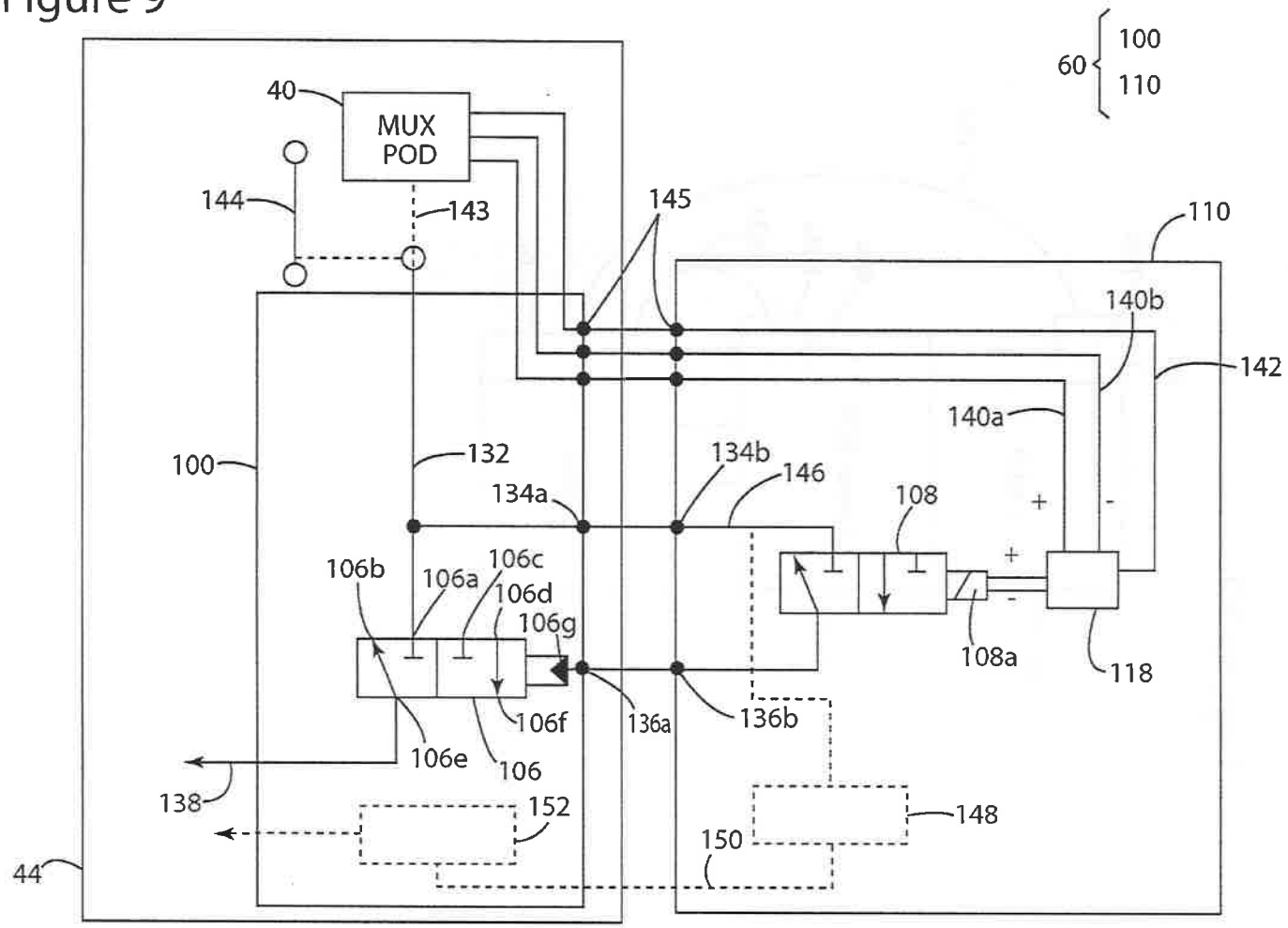

60
100
110
40
MUX POD
144
143
145
110
140b
142
140a
100
132
134b
146
134a
108
106b
106a
106c
106d
106g
106f
106e
106
136a
136b
108a
118
138
152
148
150
44

Figure 10

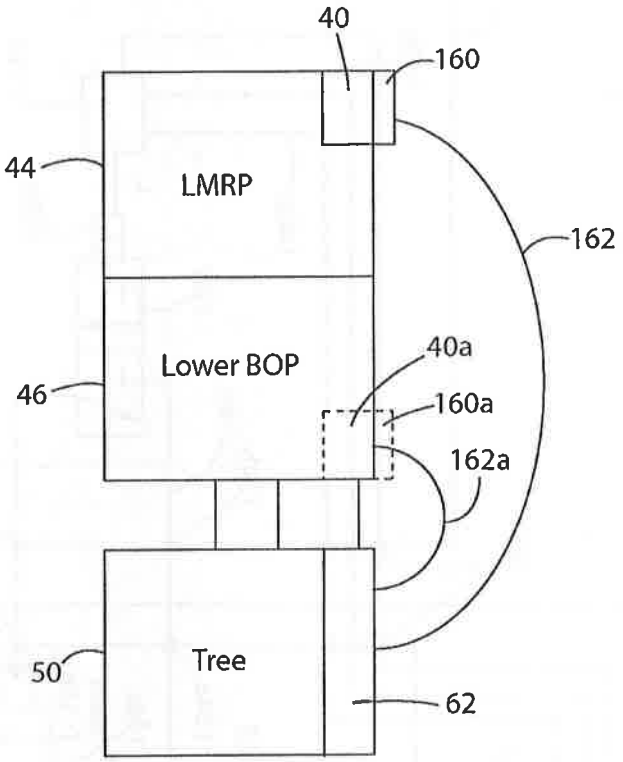
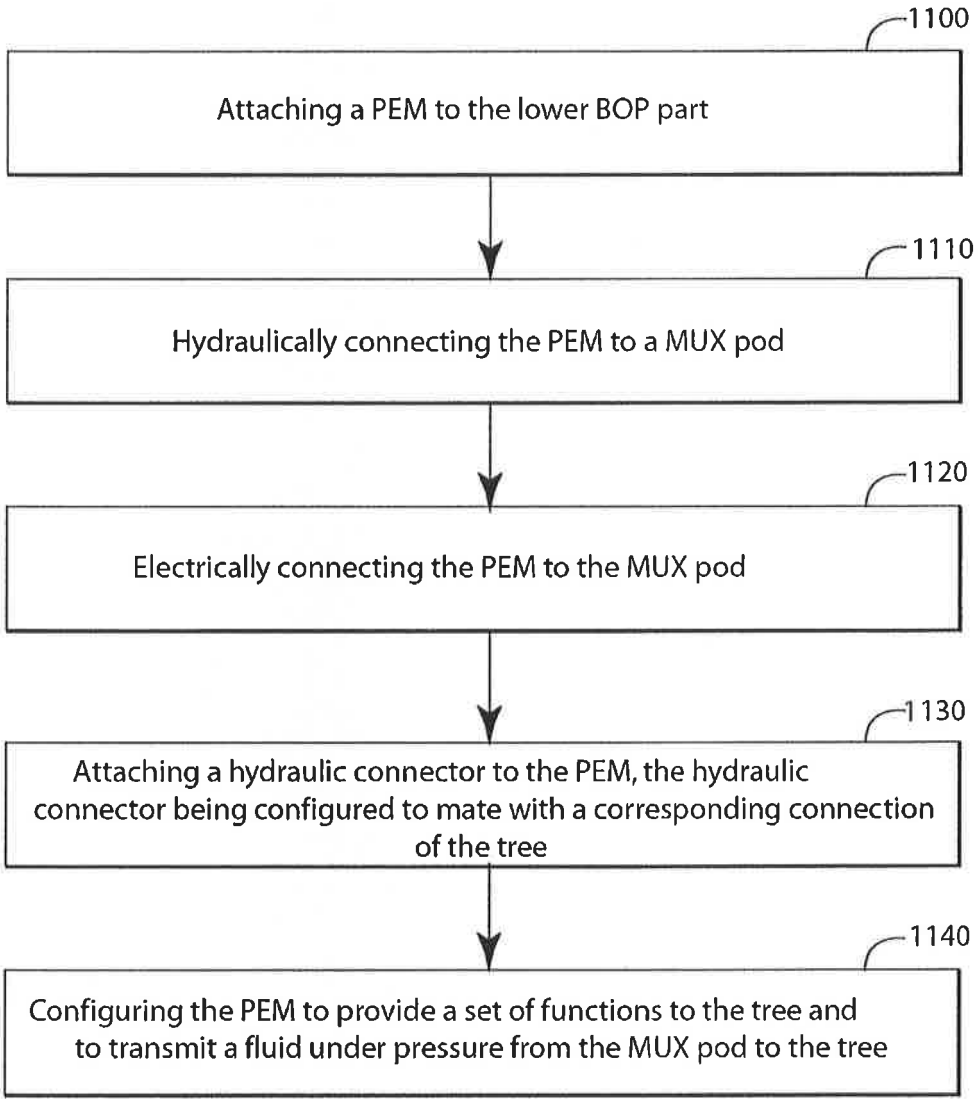


Figure 11


1100
Attaching a PEM to the lower BOP part
1110
Hydraulically connecting the PEM to a MUX pod
1120
Electrically connecting the PEM to the MUX pod
1130
Attaching a hydraulic connector to the PEM, the hydraulic connector being configured to mate with a corresponding connection of the tree
1140
Configuring the PEM to provide a set of functions to the tree and to transmit a fluid under pressure from the MUX pod to the tree