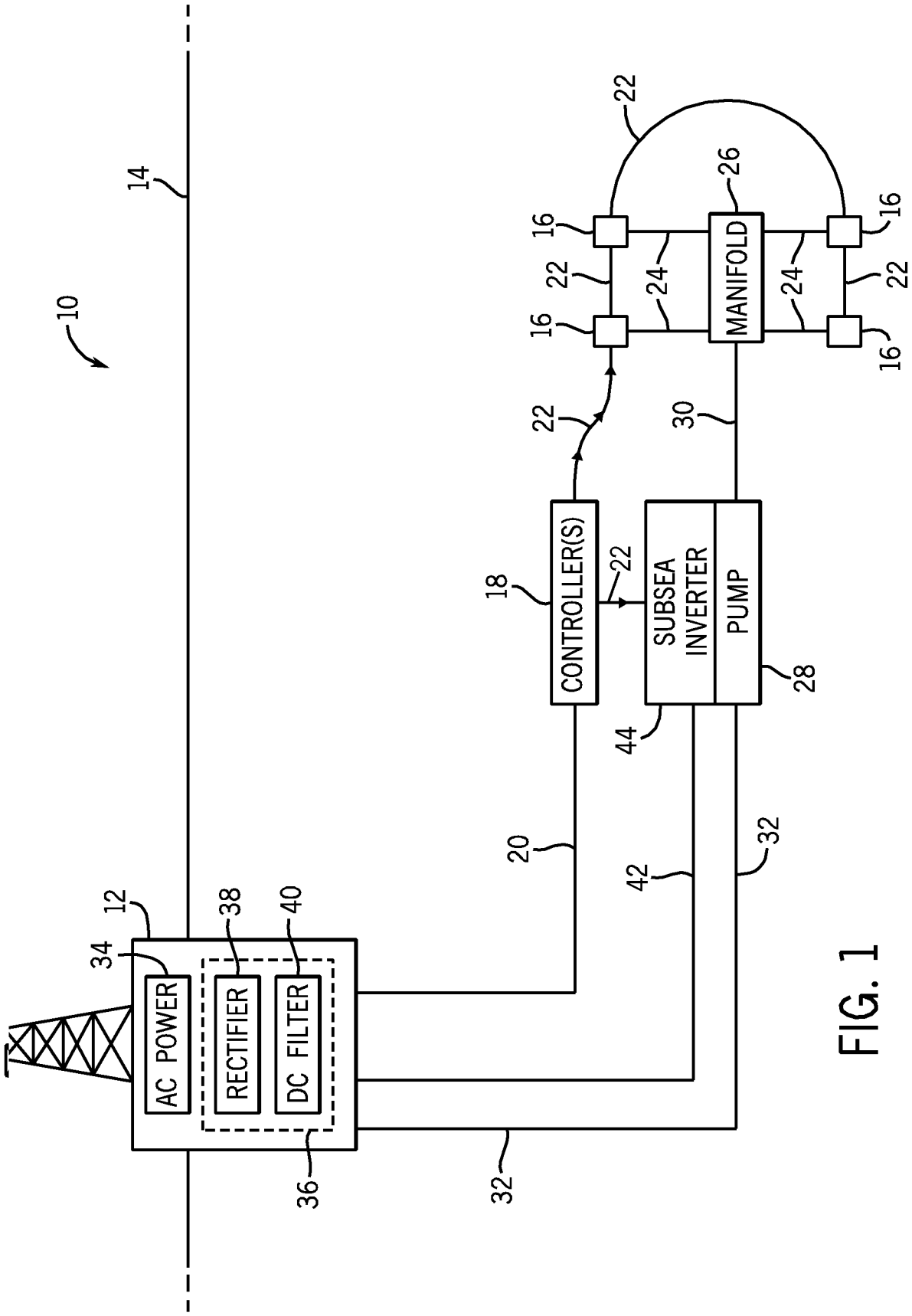

10
14
22
26
16
MANIFOLD
24
22
30
18
CONTROLLER(S)
SUBSEA INVERTER
PUMP
28
44
20
42
32
12
34
38
40
AC POWER
RECTIFIER
DC FILTER
36

FIG. 1

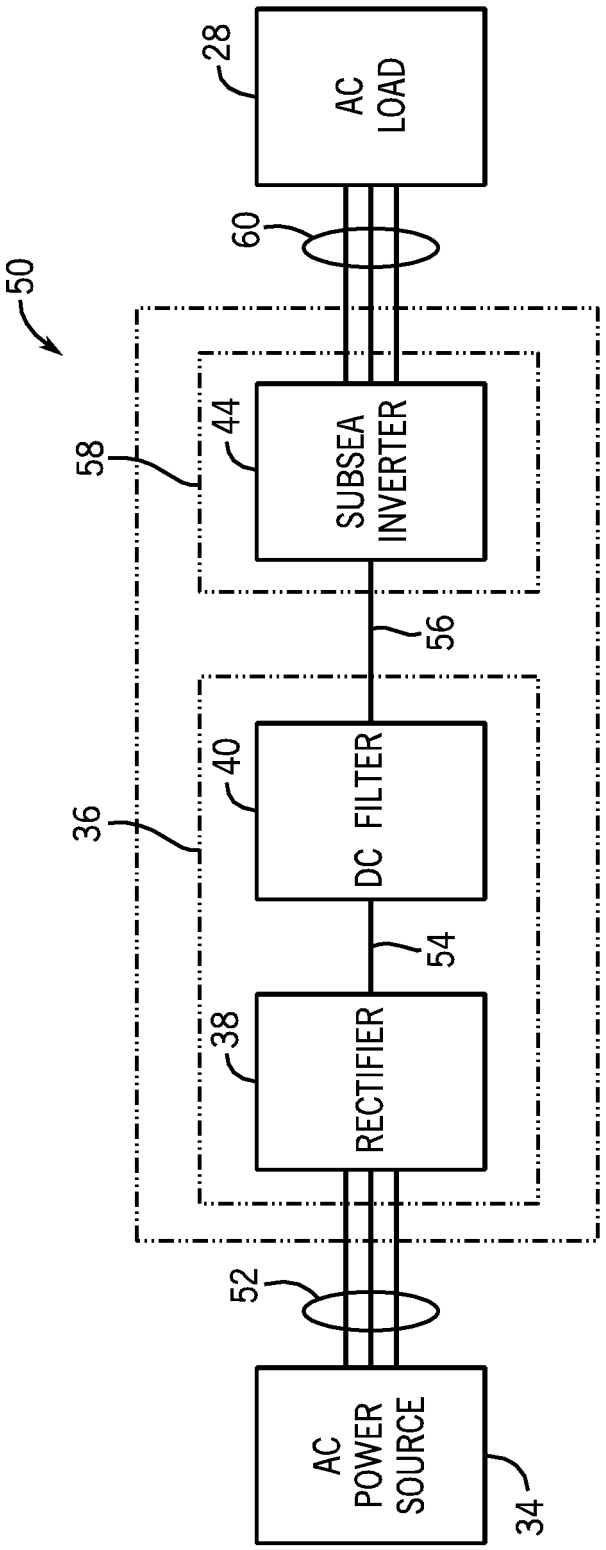

28
AC LOAD
60
50
58
44
SUBSEA INVERTER
56
36
40
DC FILTER
54
38
RECTIFIER
52
AC POWER SOURCE
34

FIG. 2

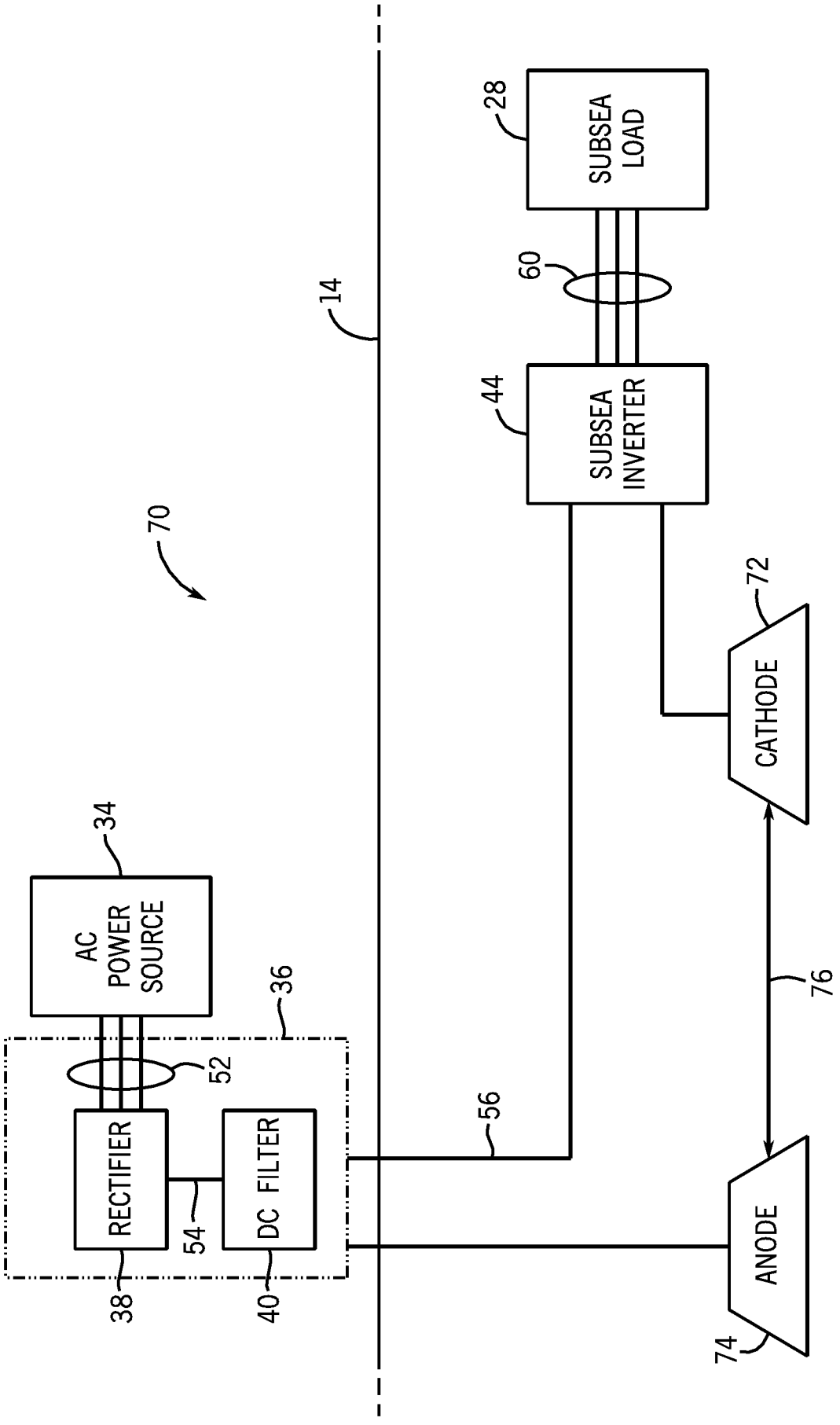

70
14
28
SUBSEA LOAD
60
44
SUBSEA INVERTER
72
CATHODE
76
34
AC POWER SOURCE
36
52
RECTIFIER
54
DC FILTER
56
38
40
ANODE
74

FIG. 3

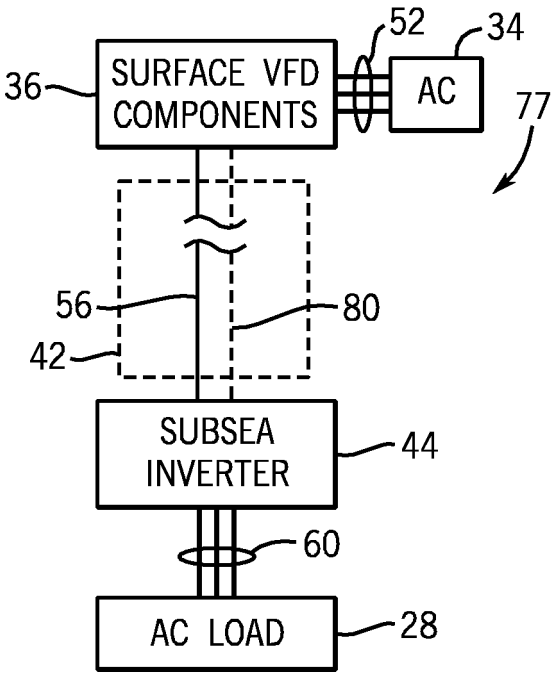


FIG. 4A

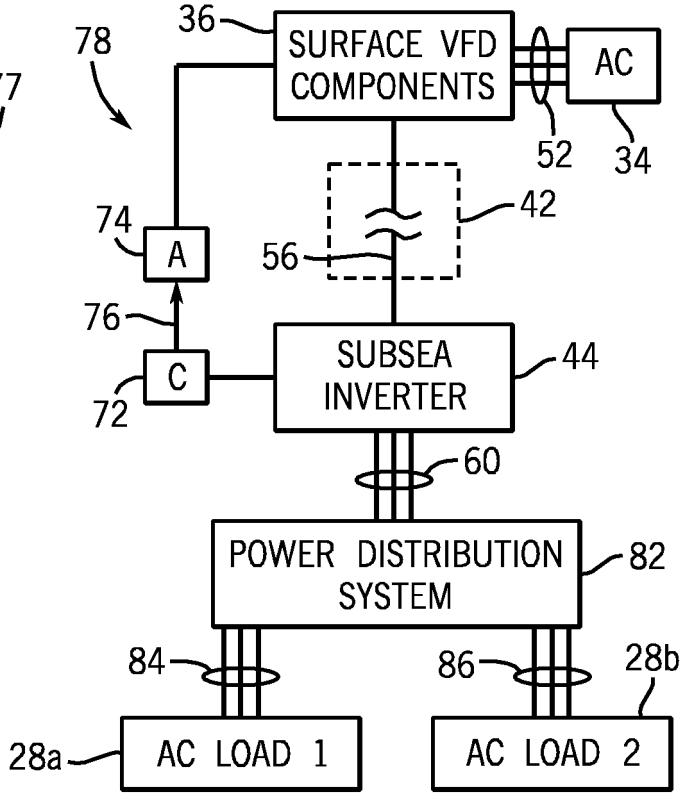


FIG. 4B

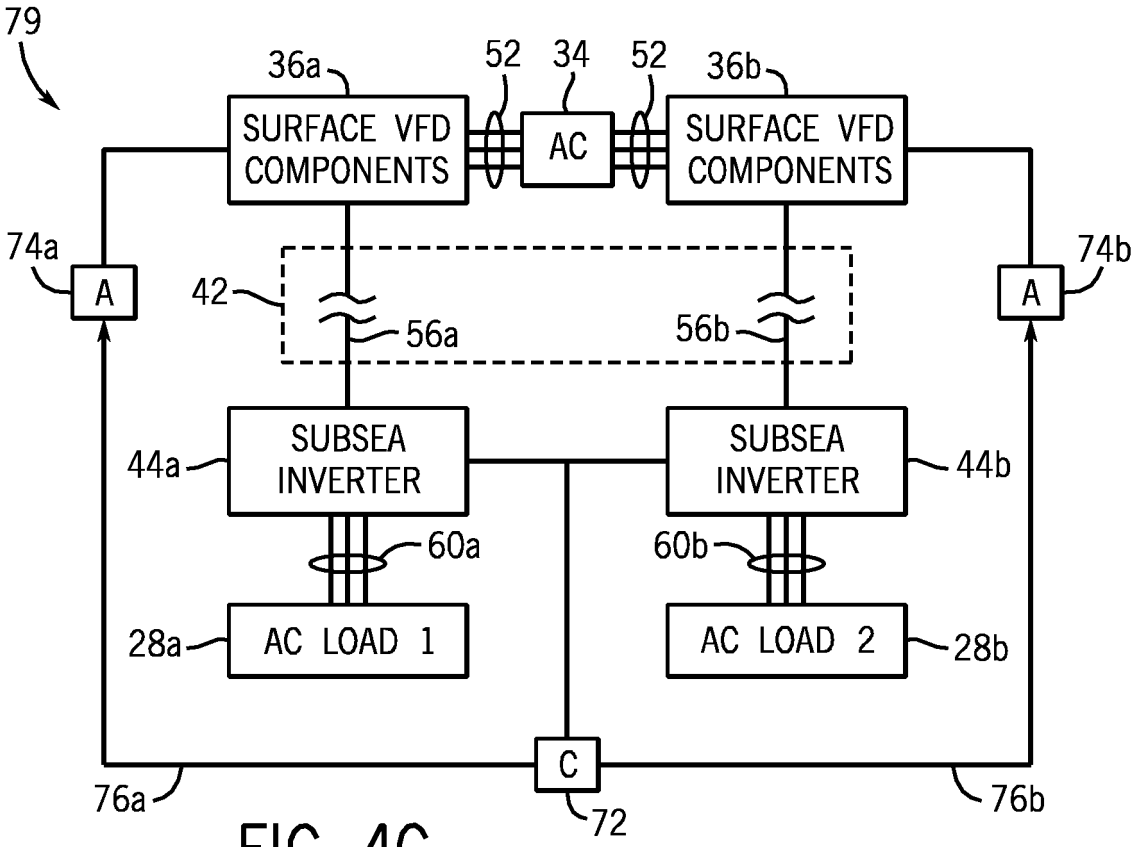


FIG. 4C

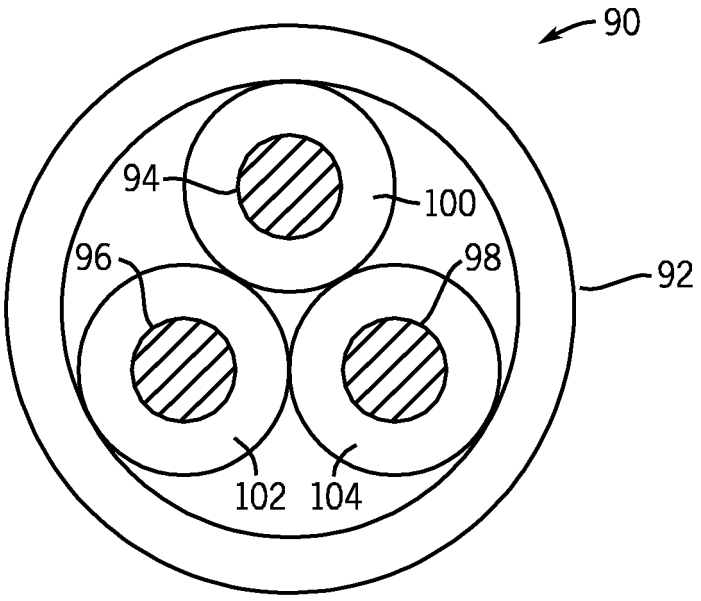


FIG. 5

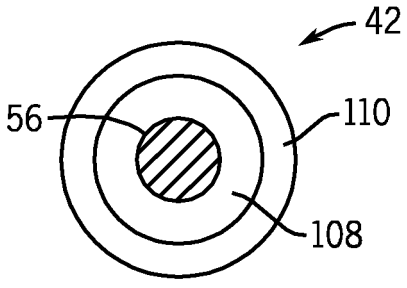


FIG. 6A

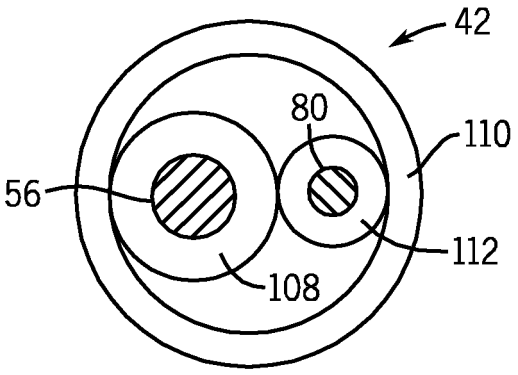


FIG. 6B

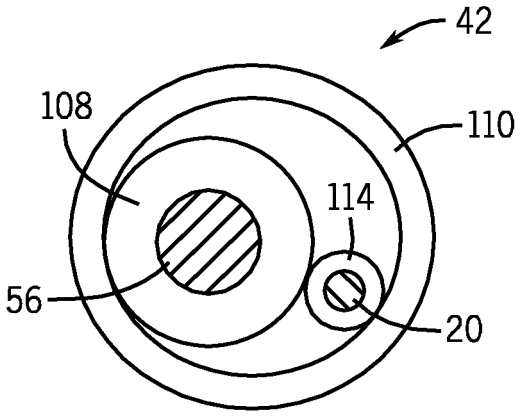


FIG. 6C

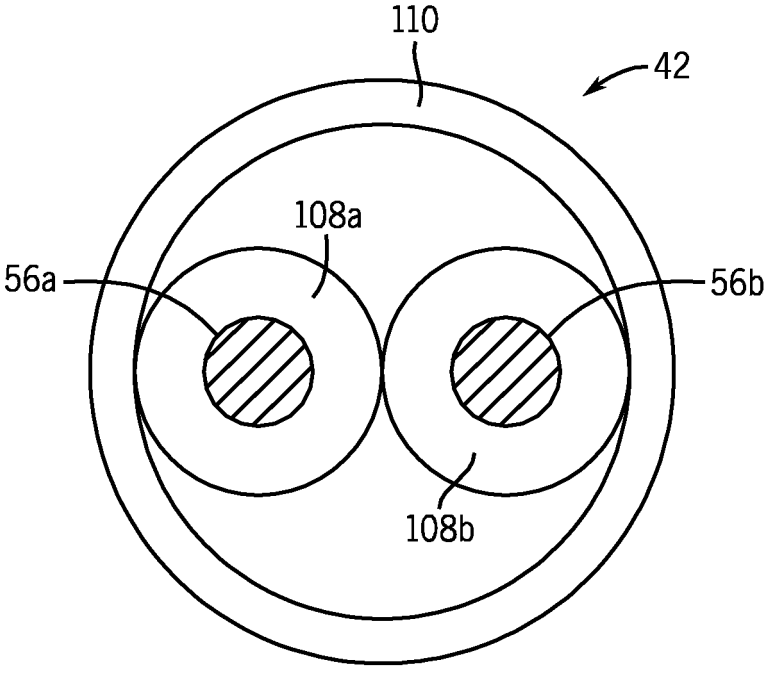


FIG. 6D

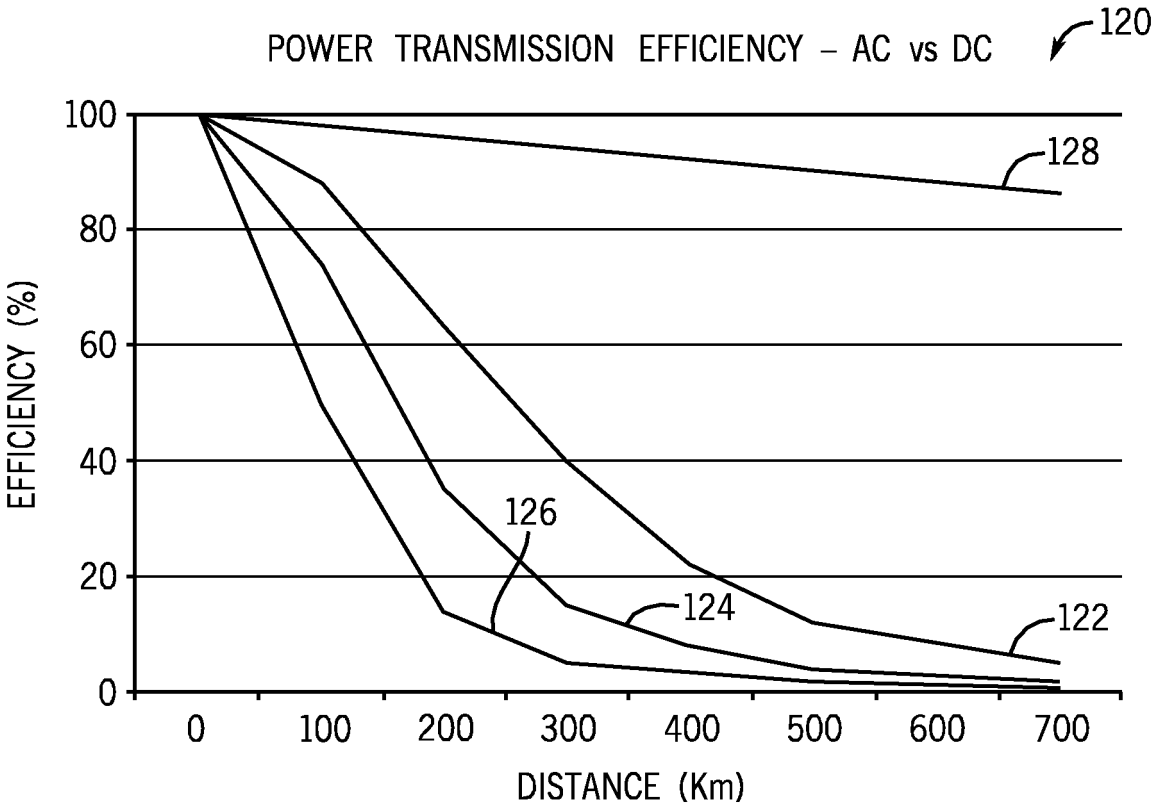

POWER TRANSMISSION EFFICIENCY – AC vs DC
120
EFFICIENCY (%)
100
80
60
40
20
0
0
100
200
300
400
500
600
700
DISTANCE (Km)
128
126
124
122

FIG. 7