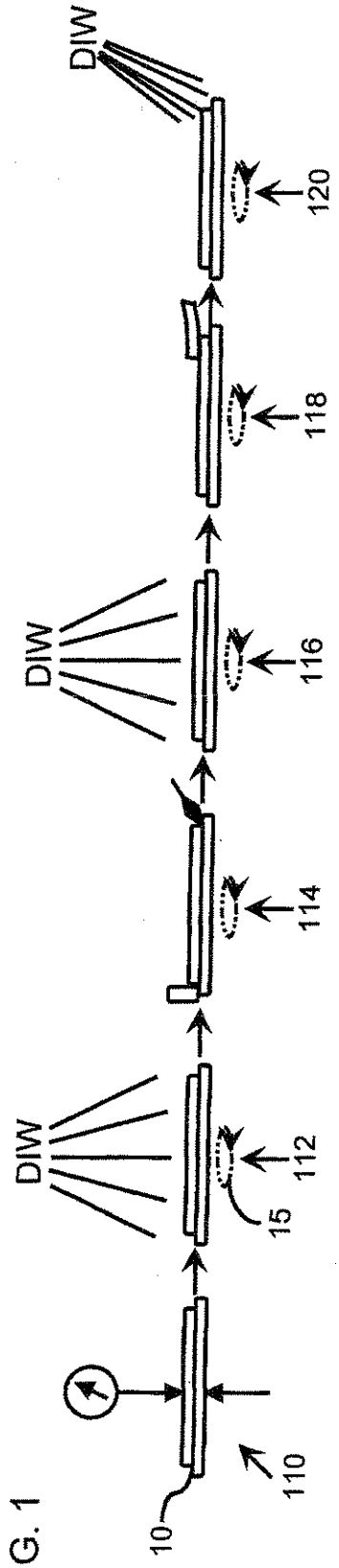


FIG. 1

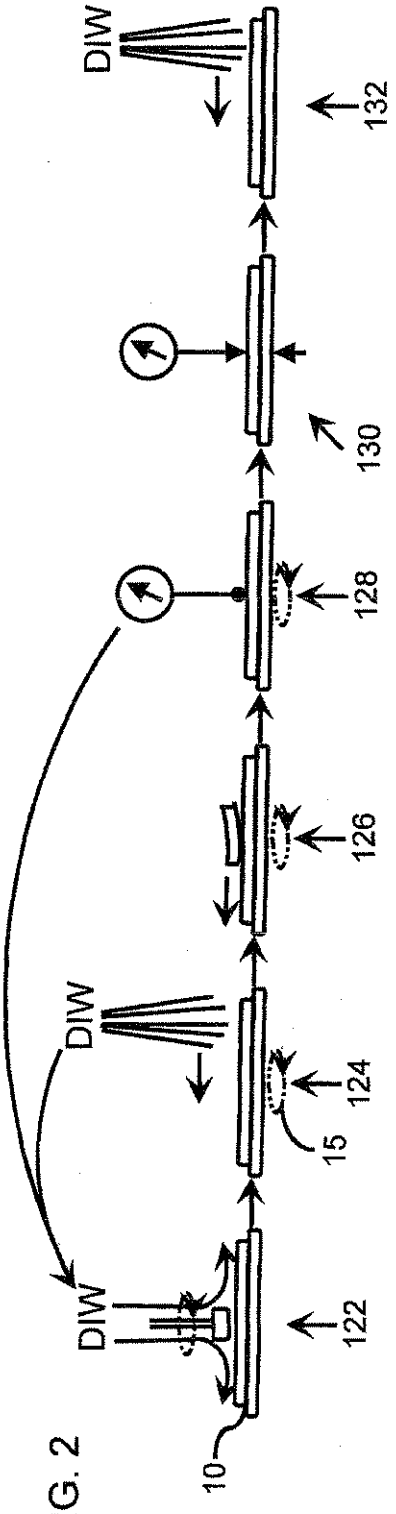


FIG. 2

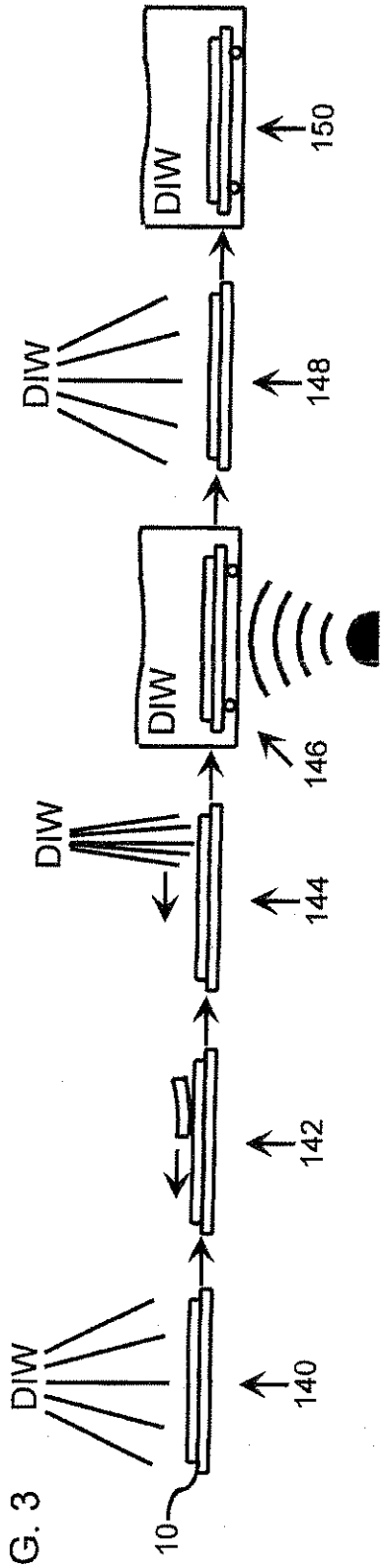


FIG. 3

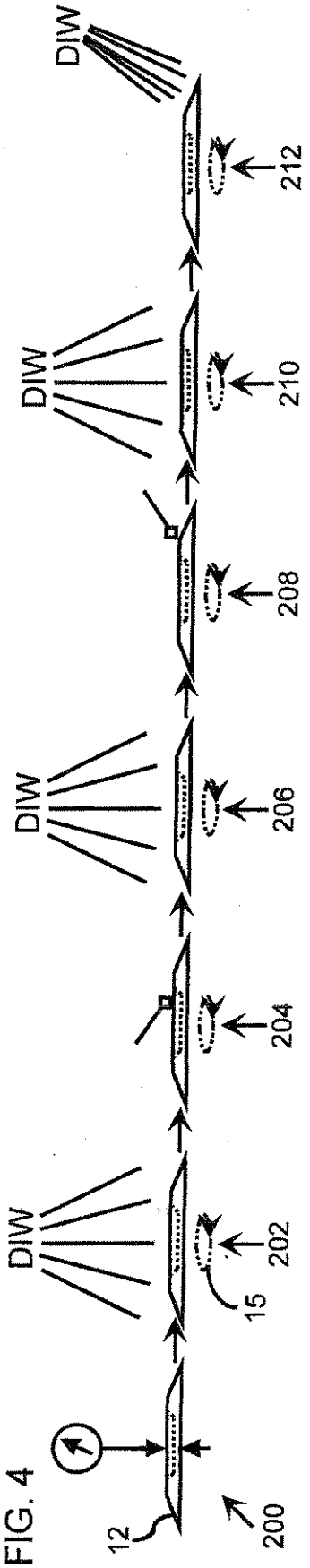

DIW
DIW
DIW
DIW
12
15
200
202
204
206
208
210
212

FIG. 4

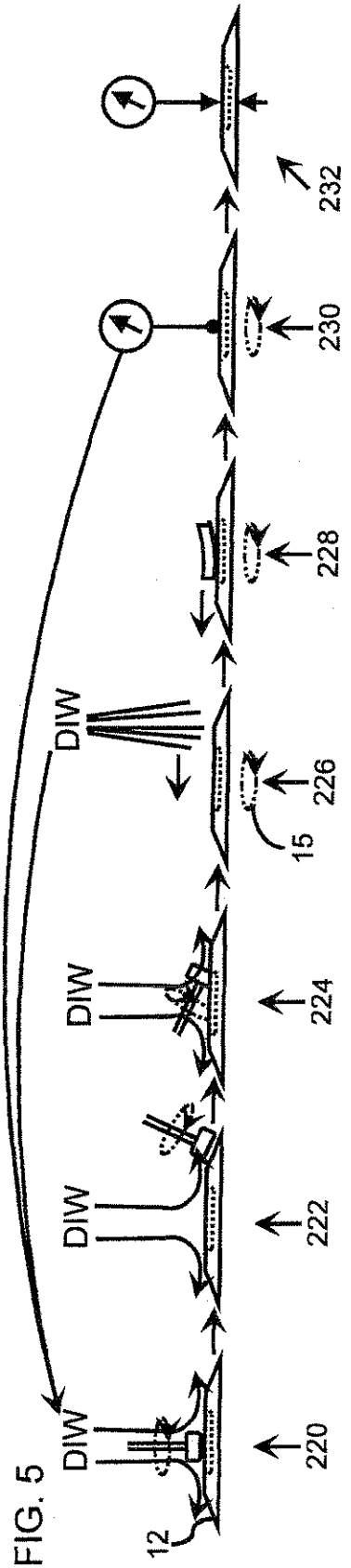

DIW
DIW
DIW
DIW
12
15
220
222
224
226
228
230
232

FIG. 5

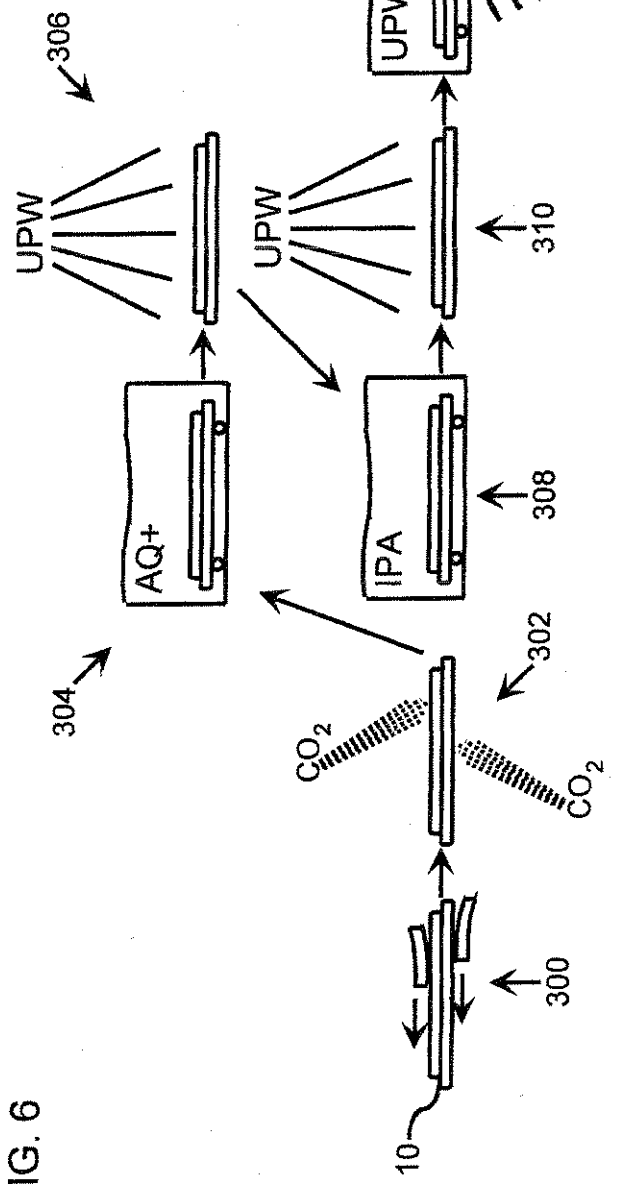

UPW
306
UPW
312
UPW
314
UPW
310
AQ+
IPA
308
304
302
CO_2
CO_2
300
10

FIG. 6

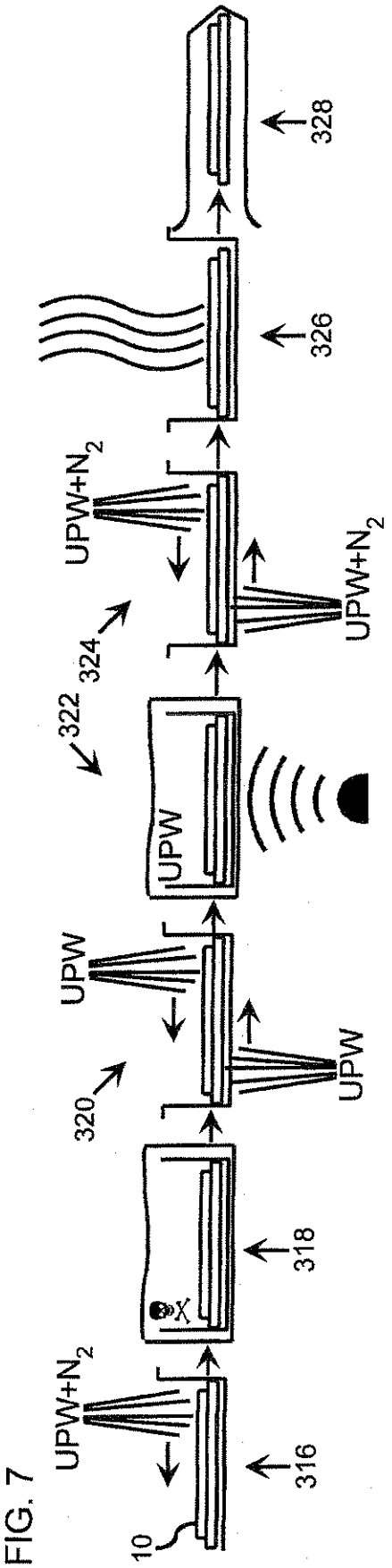

328
326
$UPW+N_2$
$UPW+N_2$
322
324
UPW
UPW
320
UPW
318
X
$UPW+N_2$
316
10

FIG. 7

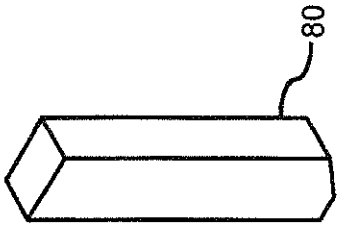


FIG. 12

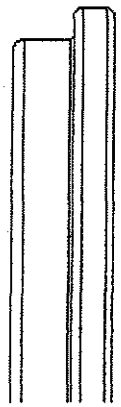


FIG. 10

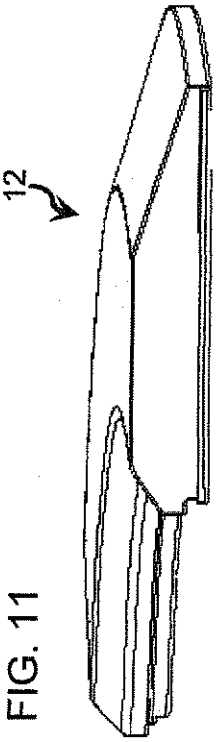


FIG. 11

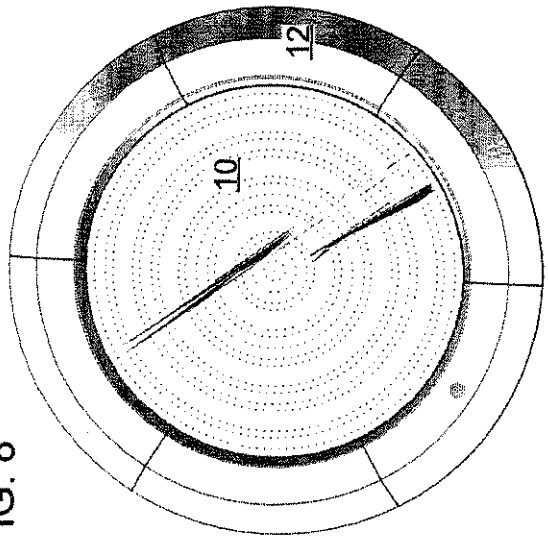


FIG. 8

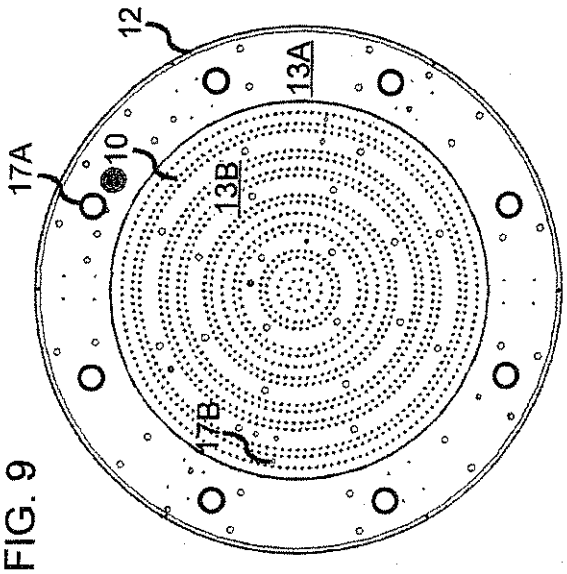


FIG. 9

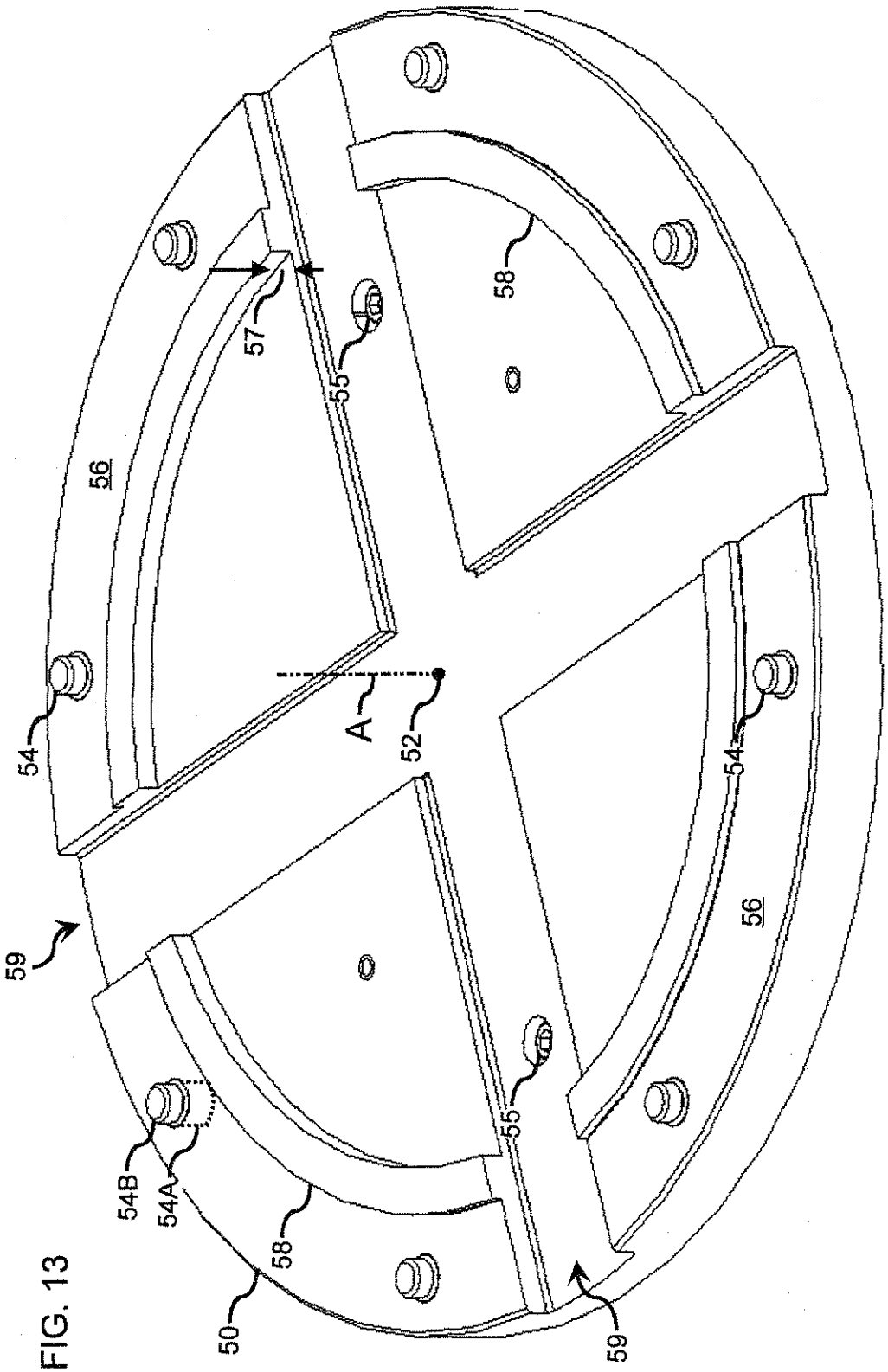


FIG. 13

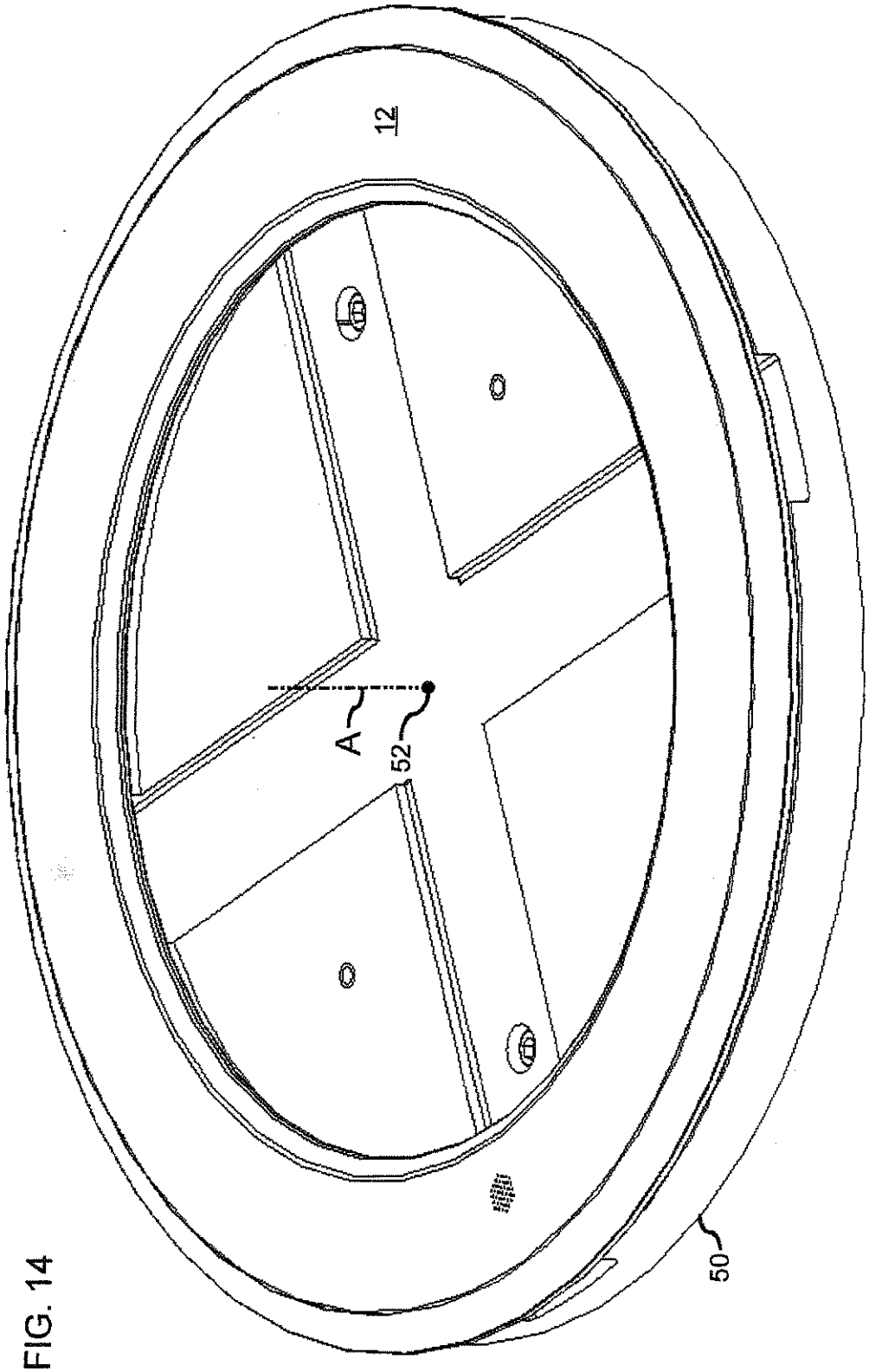


FIG. 14

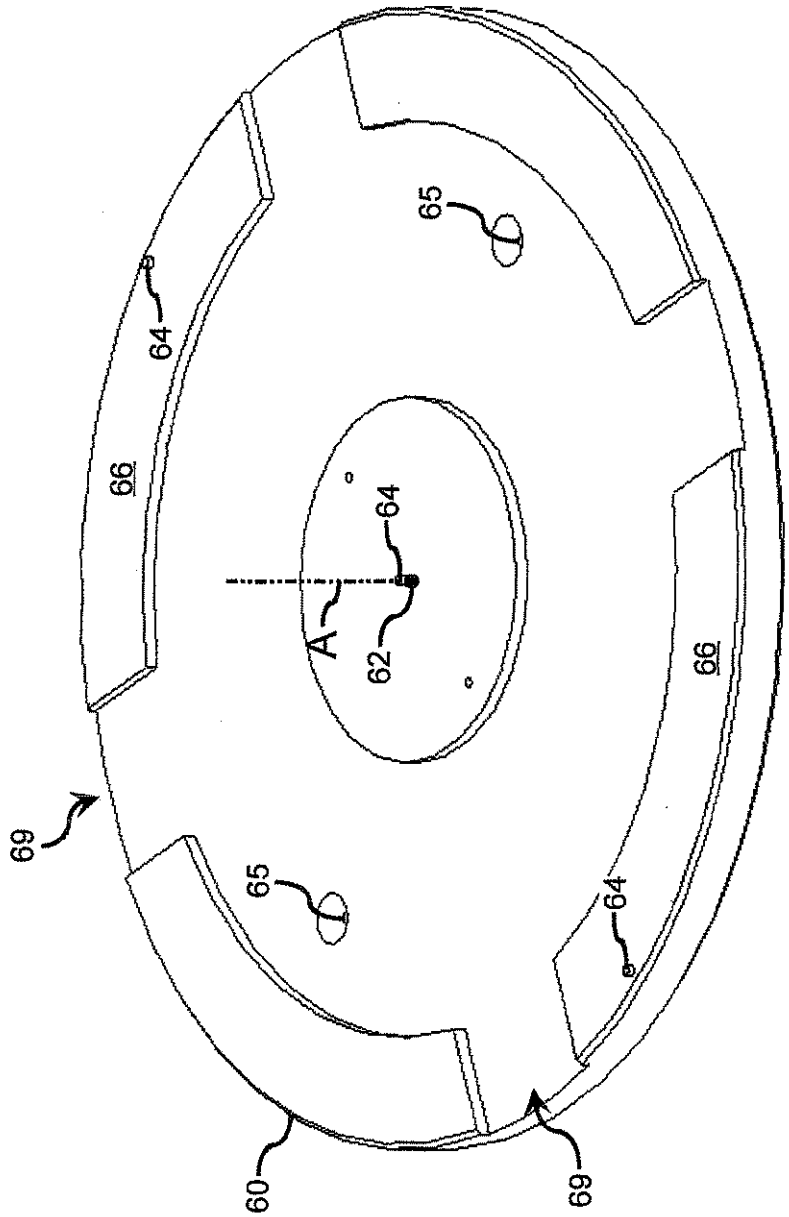


FIG. 15

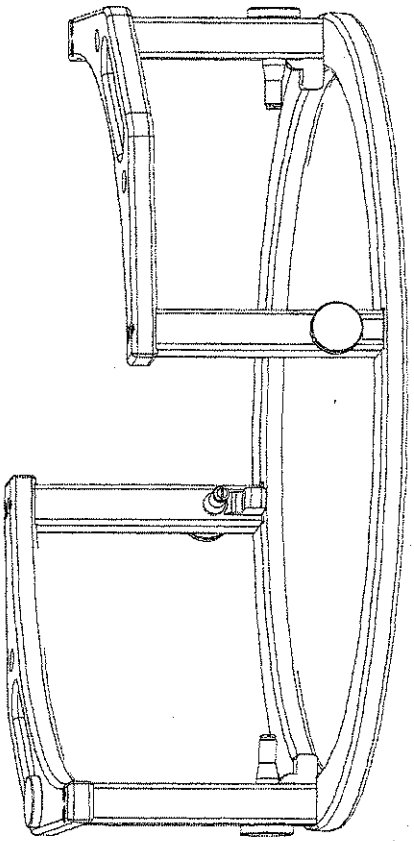


FIG. 16

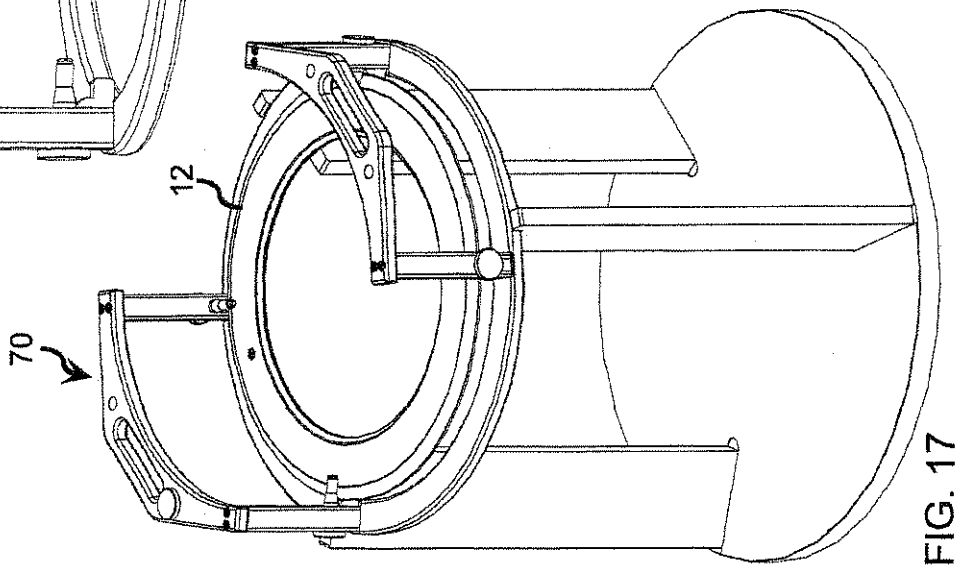


FIG. 17

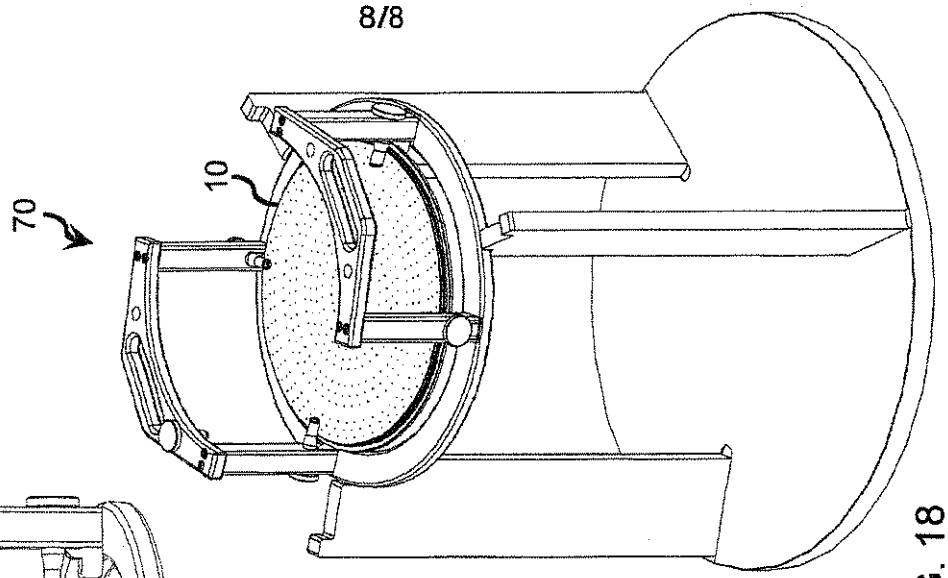


FIG. 18