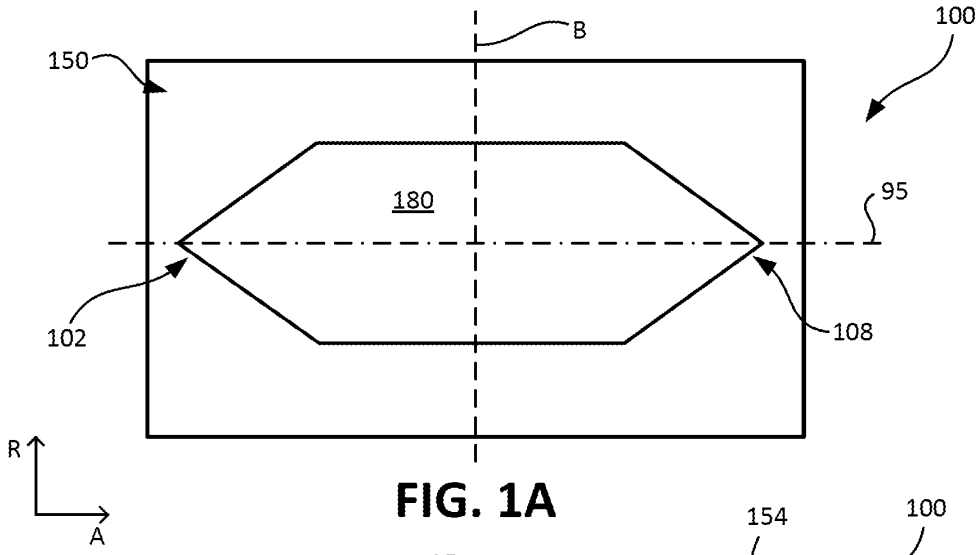


FIG. 1A

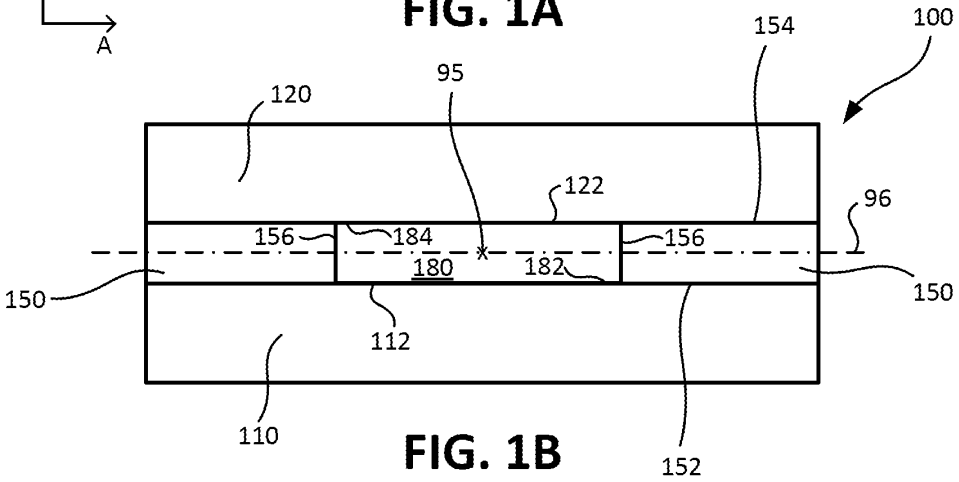


FIG. 1B

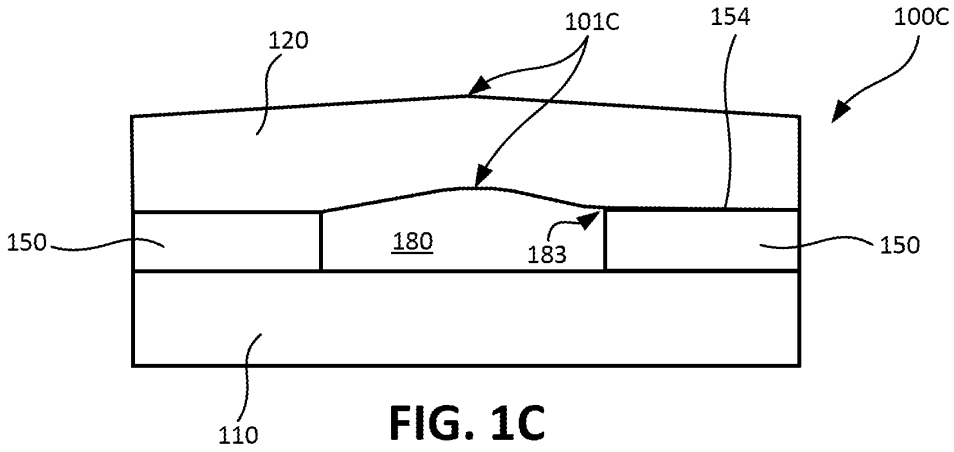


FIG. 1C

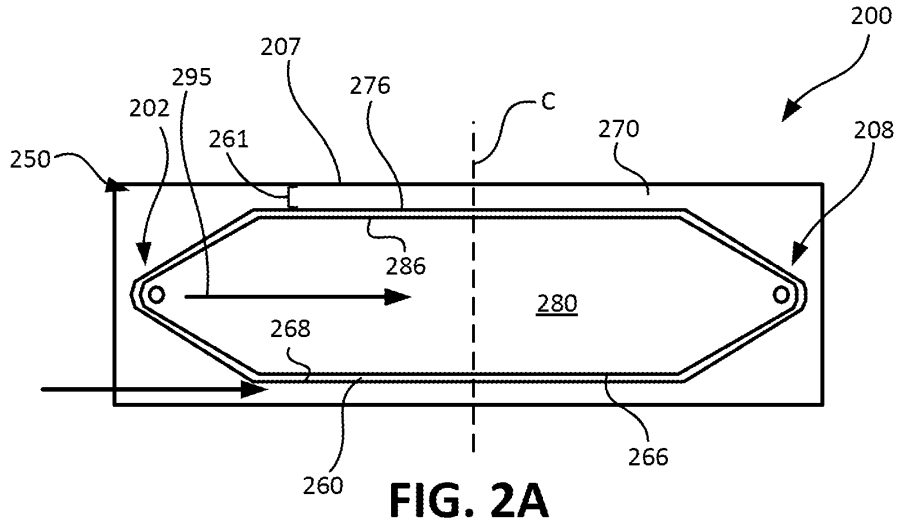

200
207
295
276
C
202
261
270
208
250
286
280
268
260
266

FIG. 2A

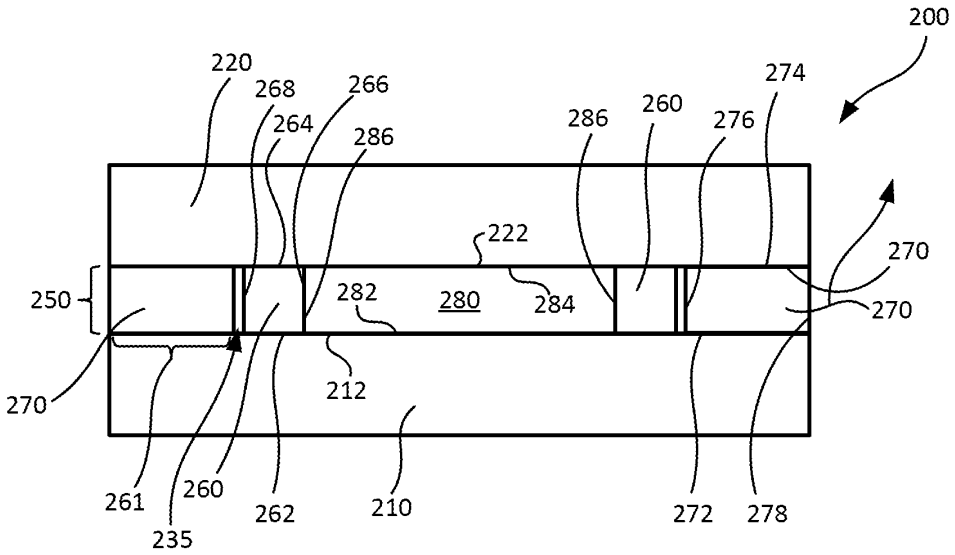

200
220
268
266
264
286
286
260
276
274
222
270
250
282
280
284
270
270
212
261
260
262
210
272
278
235

FIG. 2B

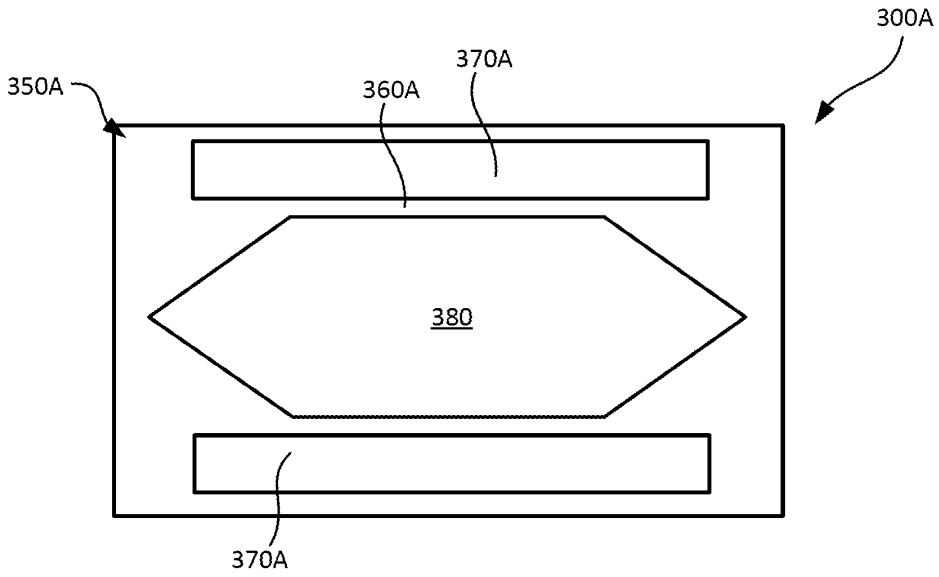


FIG. 3A

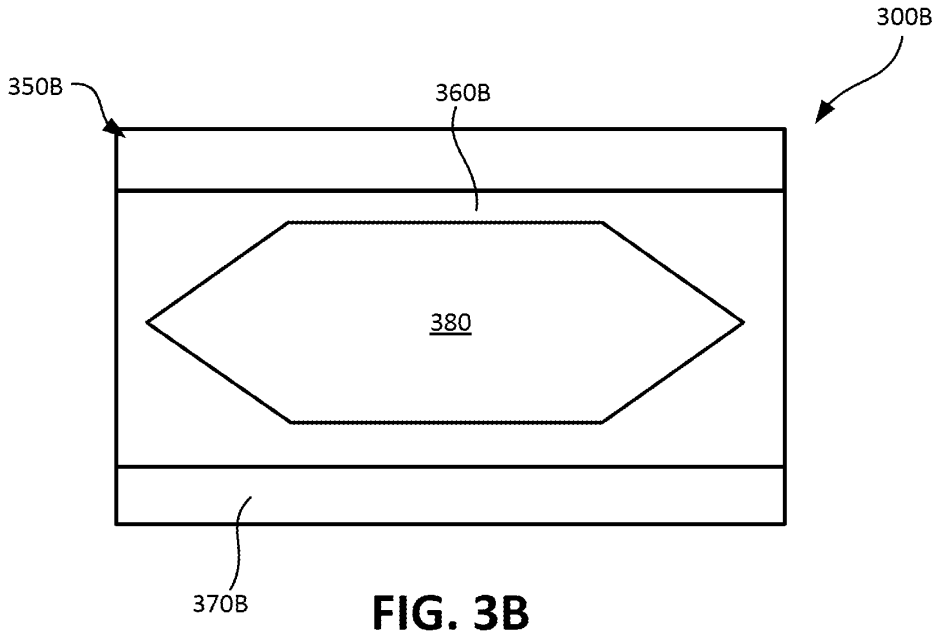


FIG. 3B

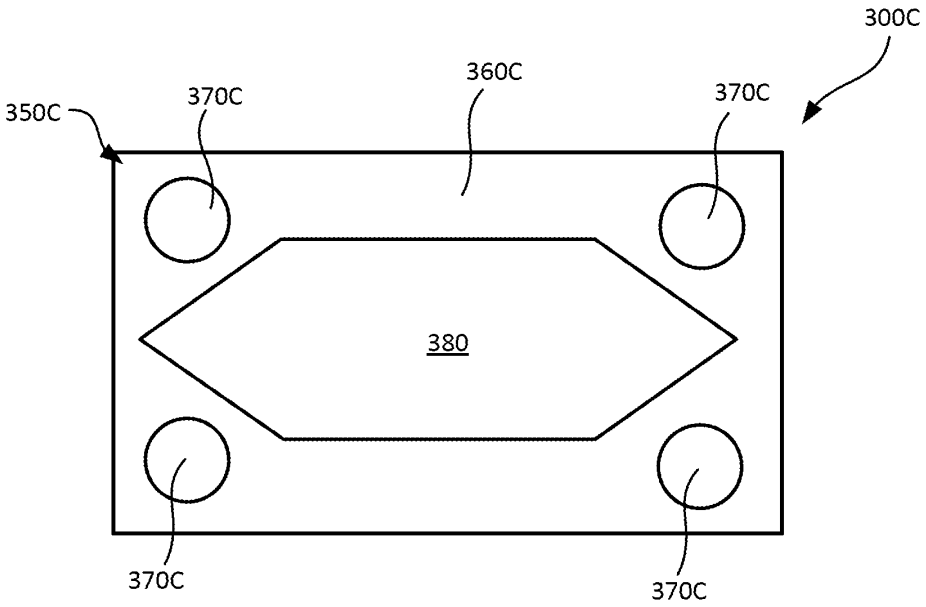

300C
360C
370C
370C
350C
380
370C
370C

FIG. 3C

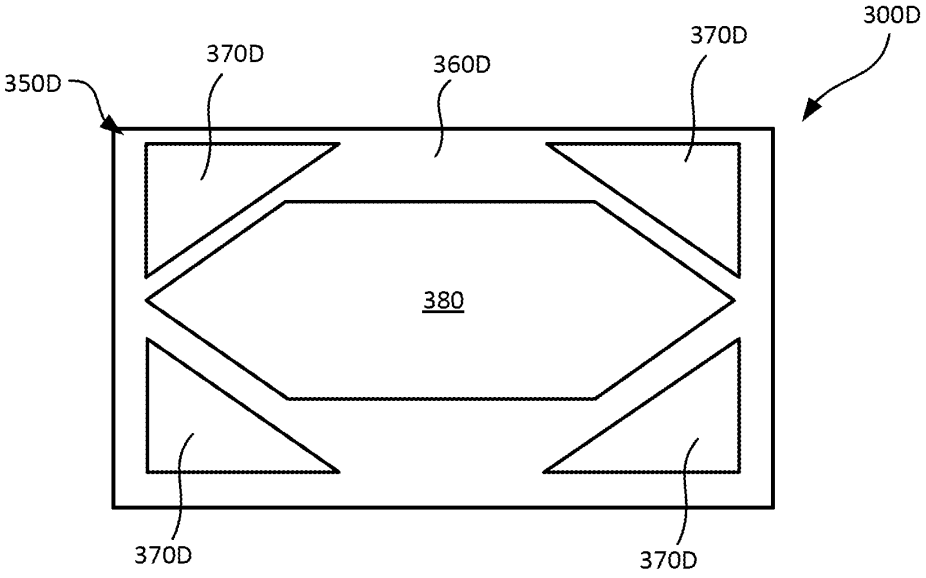

300D
370D
370D
360D
350D
380
370D
370D

FIG. 3D

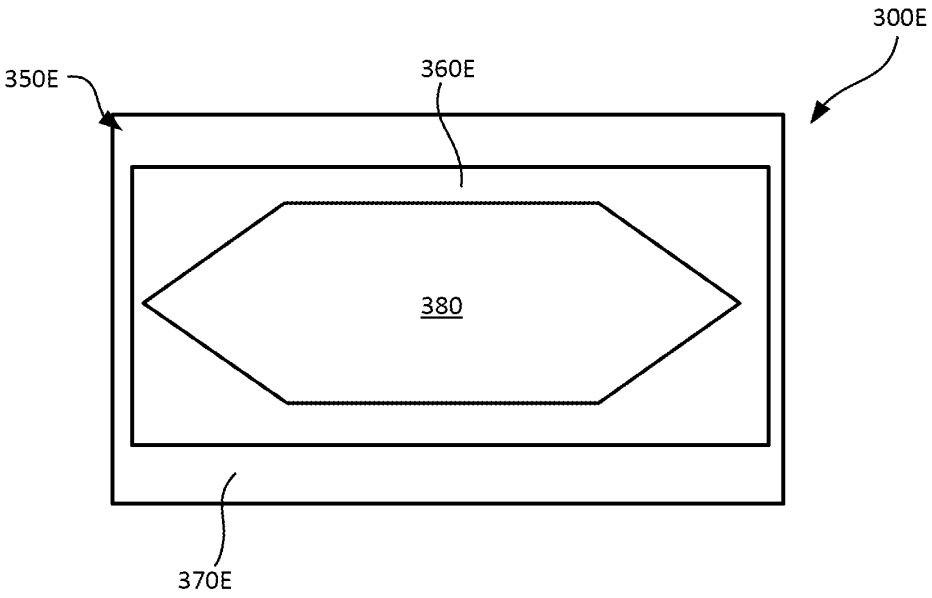


FIG. 3E

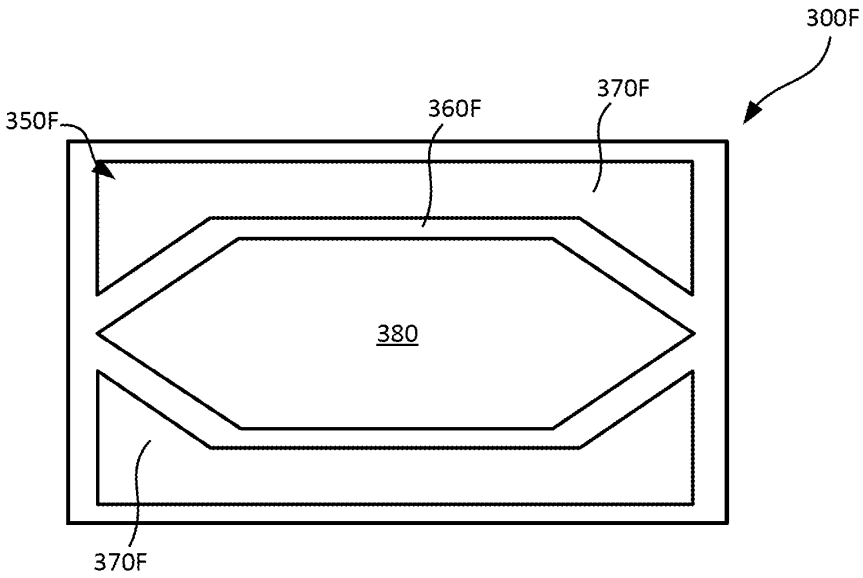


FIG. 3F

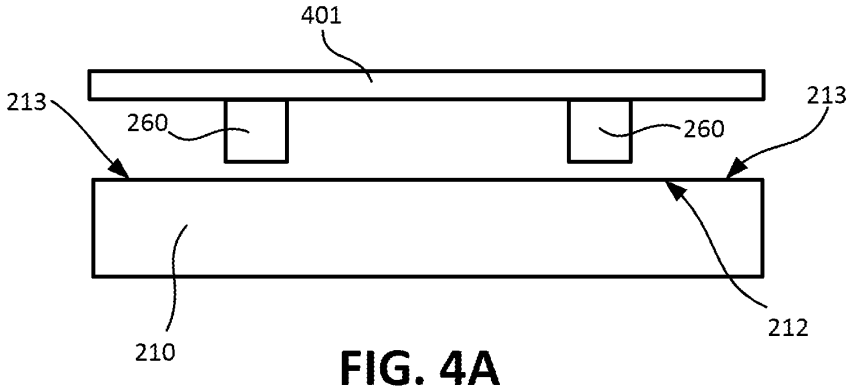


FIG. 4A

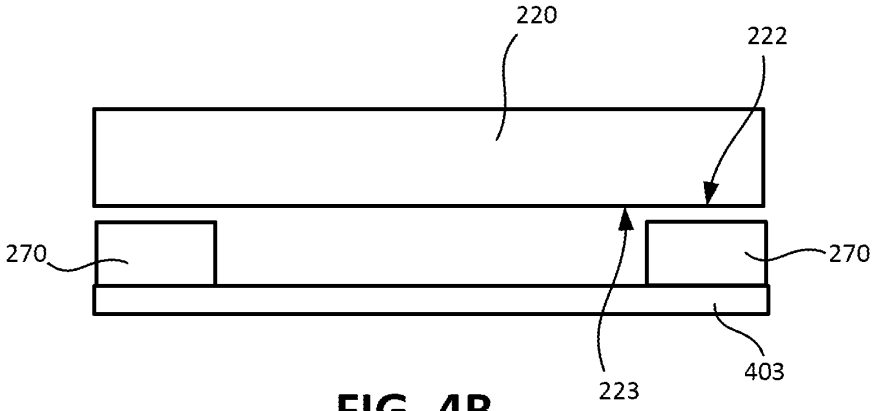


FIG. 4B

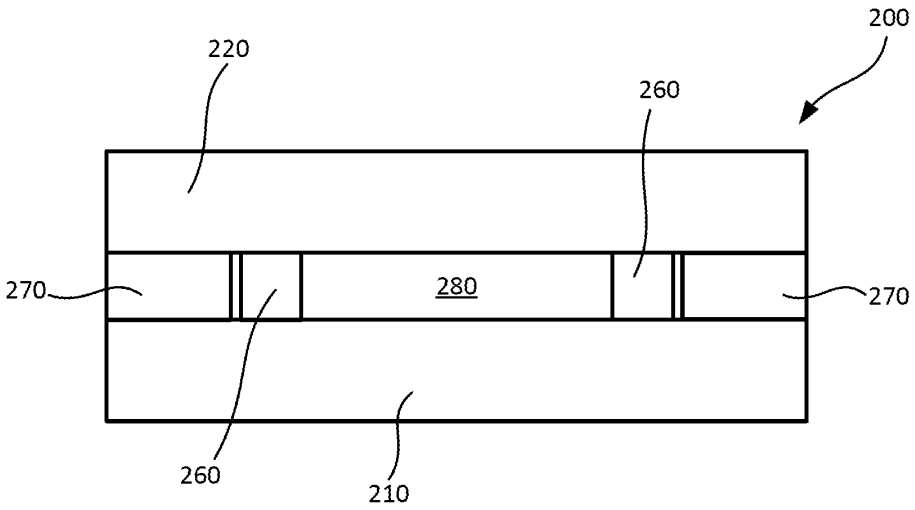


FIG. 4C

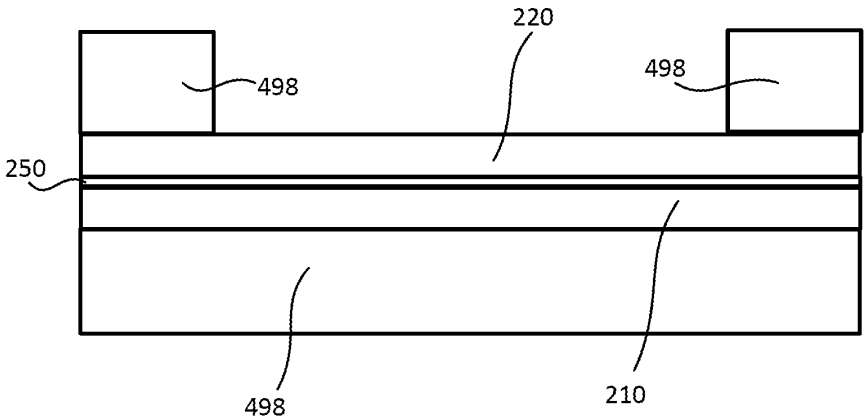


FIG. 4D

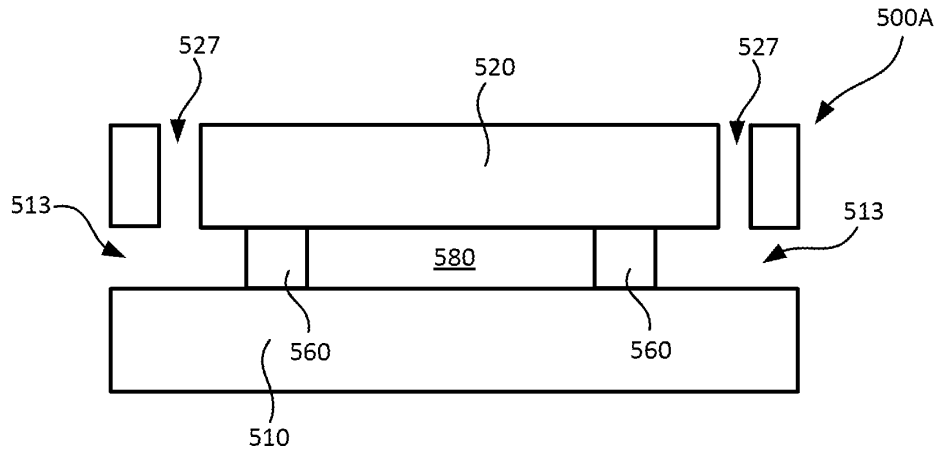

500A
527
520
527
513
513
580
560
560
510

FIG. 5A

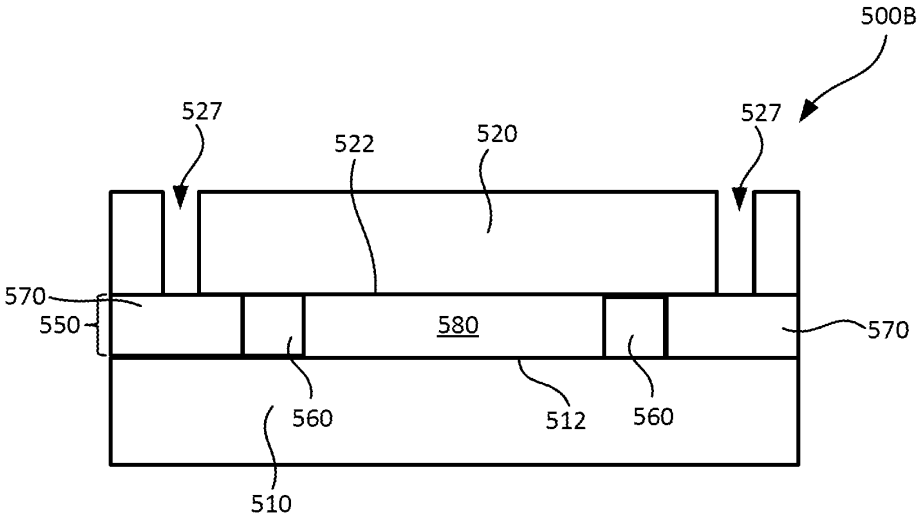

500B
527
522
520
527
570
550
580
570
560
512
560
510

FIG. 5B

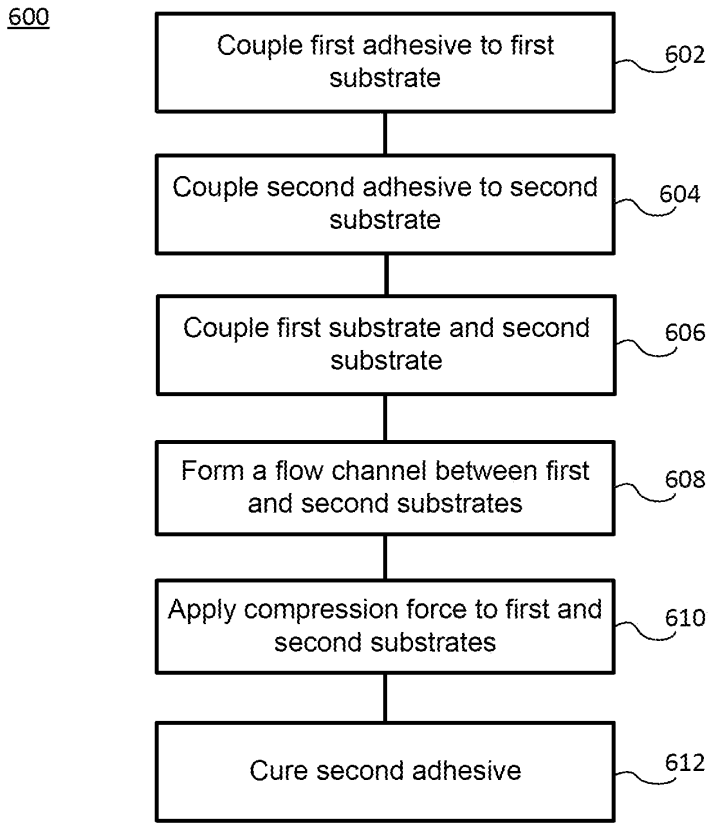

600
Couple first adhesive to first substrate
602
Couple second adhesive to second substrate
604
Couple first substrate and second substrate
606
Form a flow channel between first and second substrates
608
Apply compression force to first and second substrates
610
Cure second adhesive
612

FIG. 6

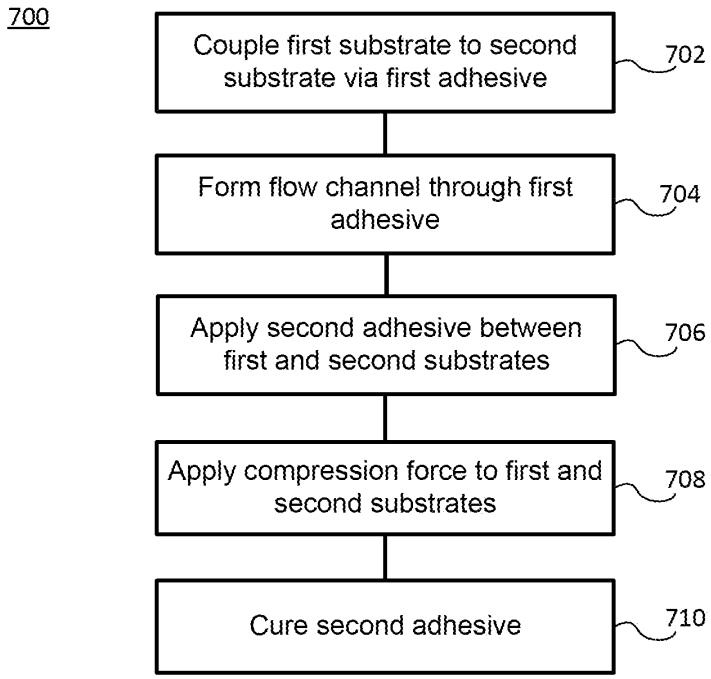

700
Couple first substrate to second substrate via first adhesive
702
Form flow channel through first adhesive
704
Apply second adhesive between first and second substrates
706
Apply compression force to first and second substrates
708
Cure second adhesive
710

FIG. 7

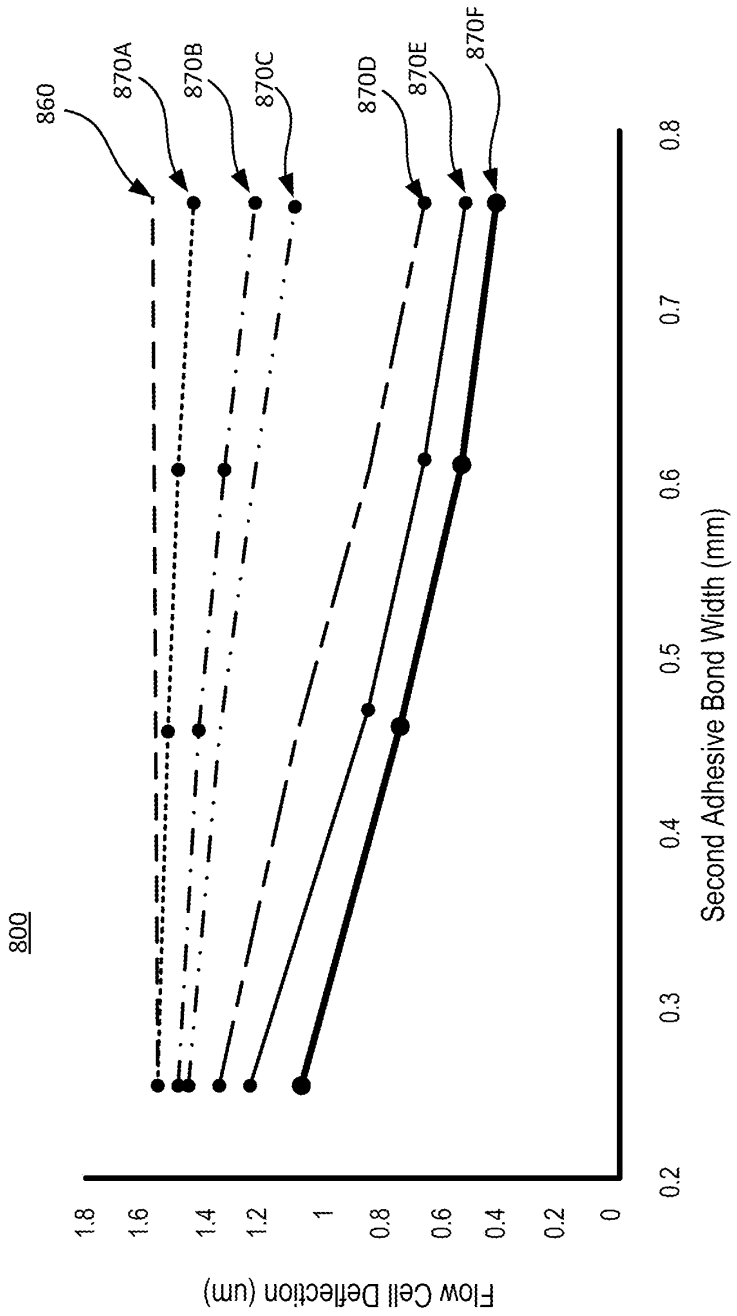

800
860
870A
870B
870C
870D
870E
870F
Flow Cell Deflection (um)
1.8
1.6
1.4
1.2
1
0.8
0.6
0.4
0.2
0
0.2
0.3
0.4
0.5
0.6
0.7
0.8
Second Adhesive Bond Width (mm)

FIG. 8