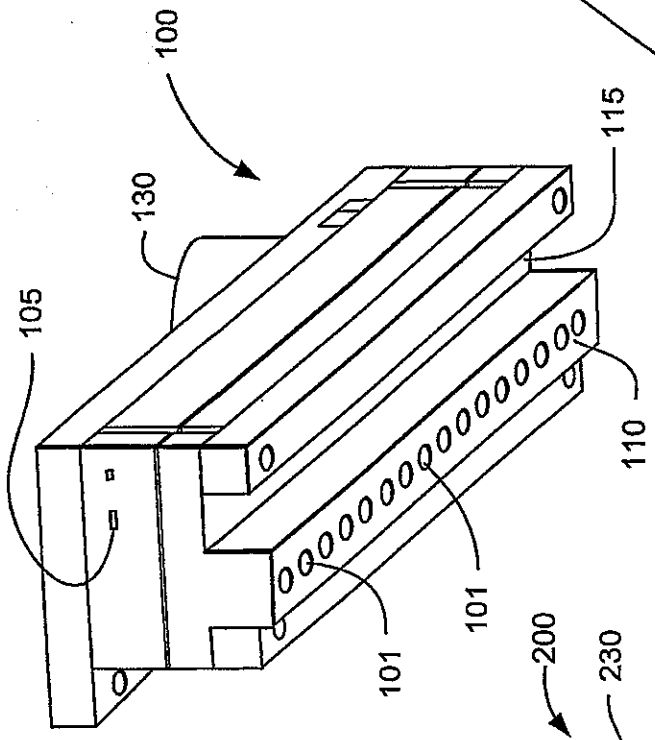


FIG. 1

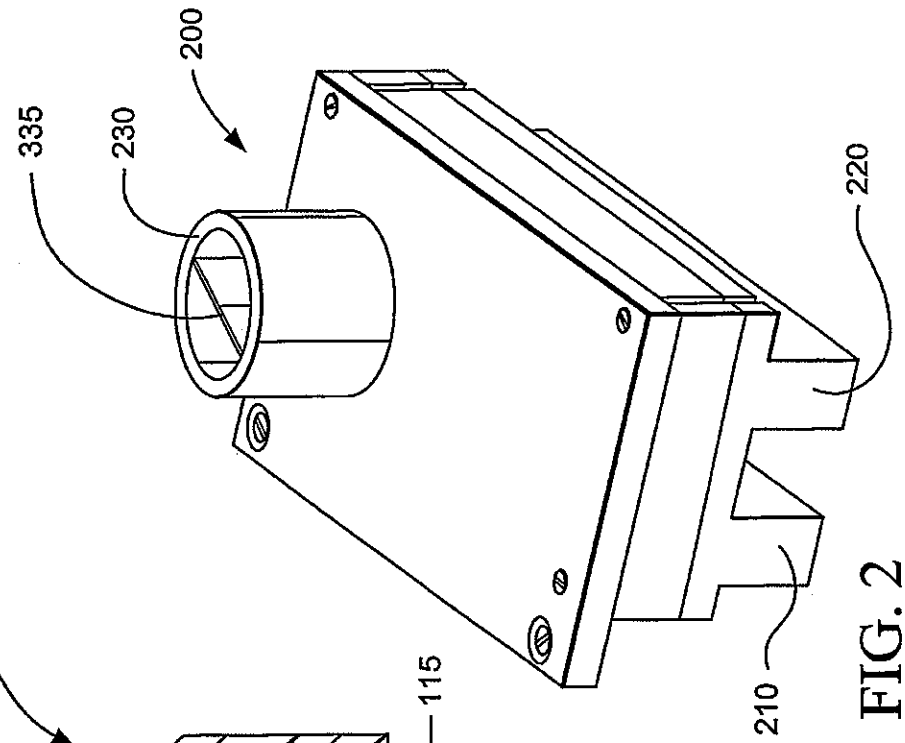


FIG. 2

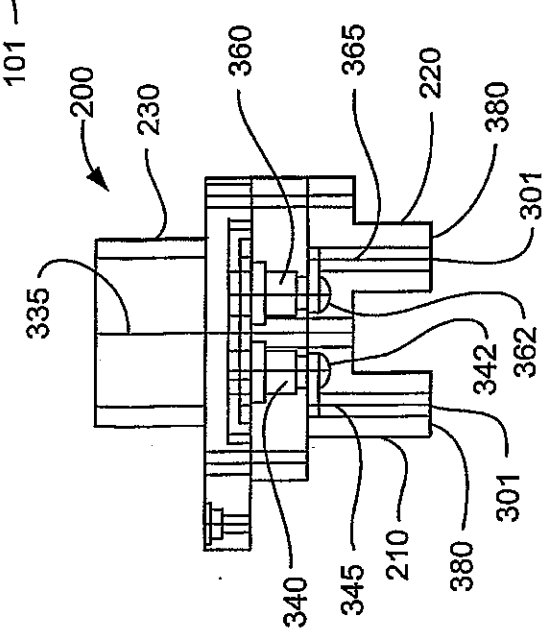


FIG. 3

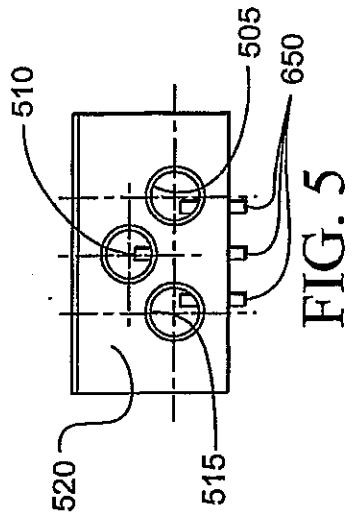


FIG. 5

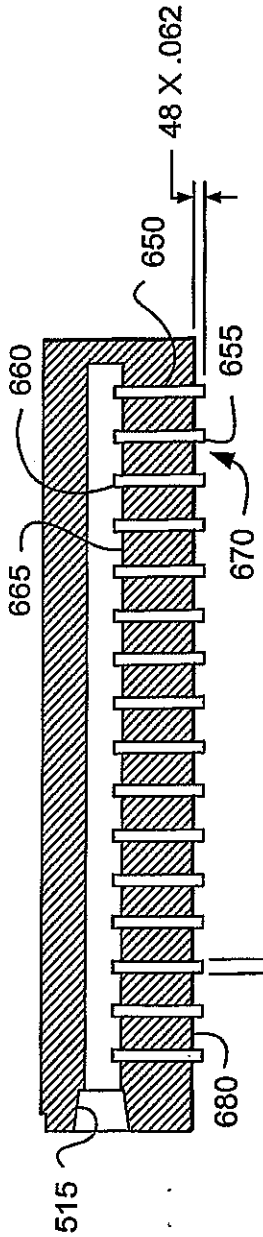


FIG. 6

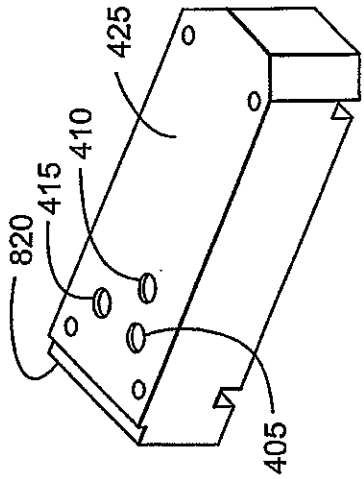


FIG. 8

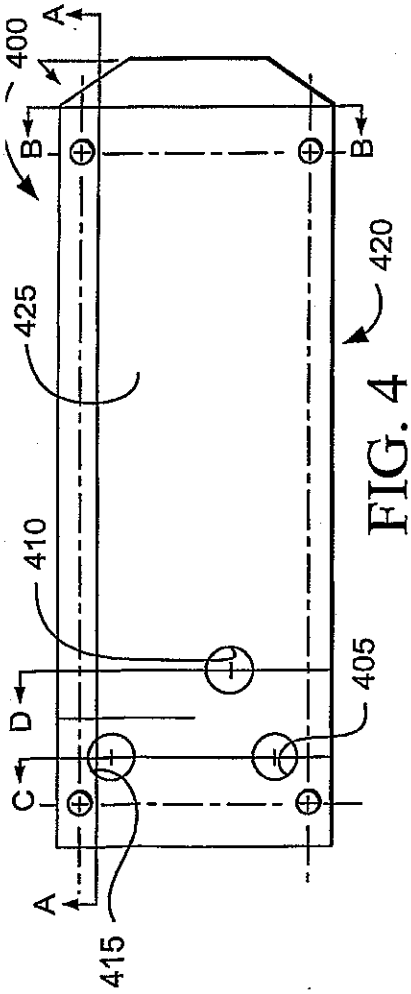


FIG. 4

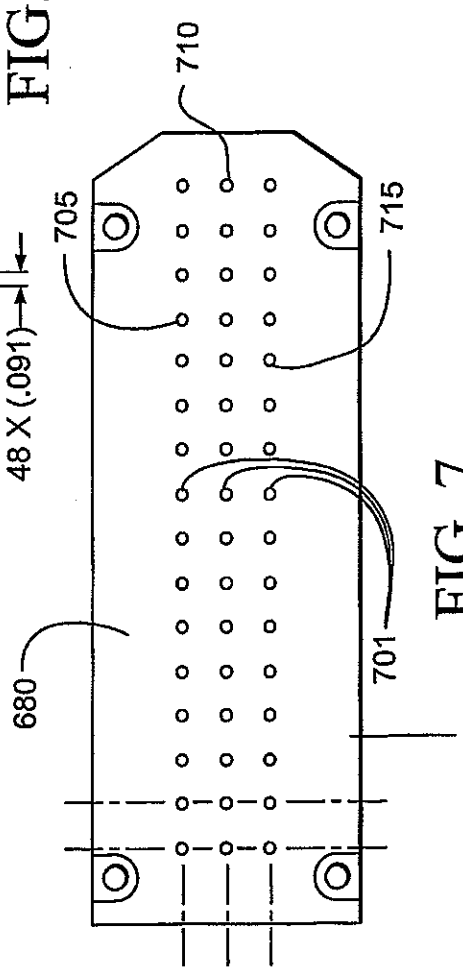


FIG. 7

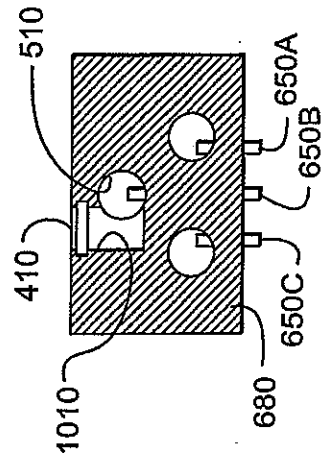


FIG. 11

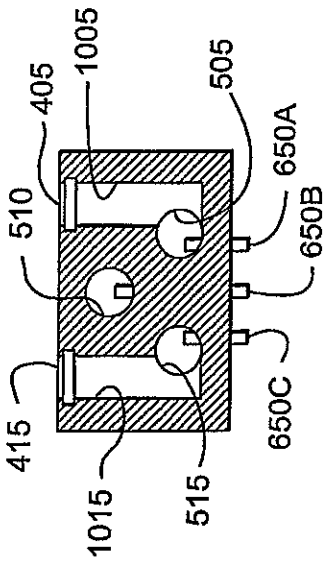


FIG. 10

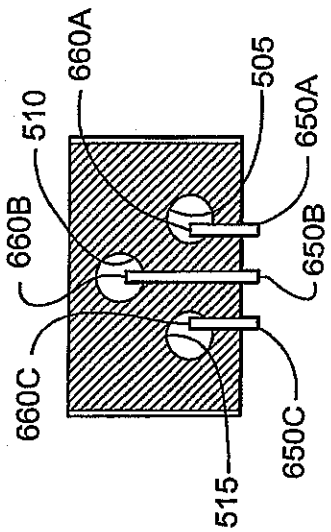


FIG. 9

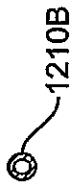


FIG. 13A

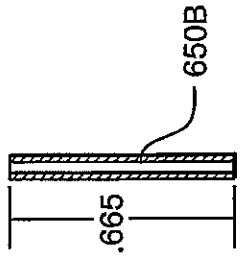


FIG. 13B



FIG. 12A

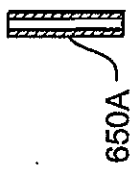


FIG. 12B

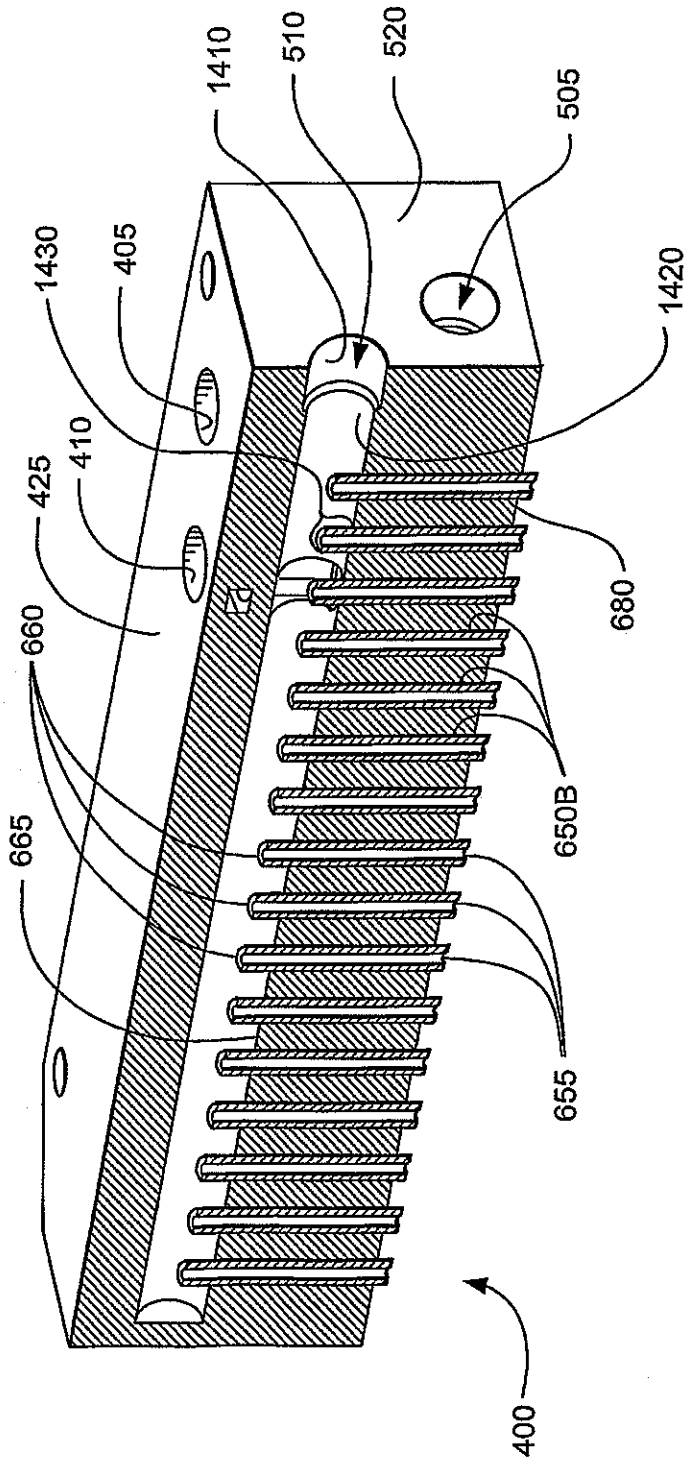


FIG. 14

DEVELOP RATES AT 121 WAFER LOCATIONS, DEVELOP ARM OFFSET=0mm
TOK 9; DOSE=12; DEVELOP TIME=10SEC.

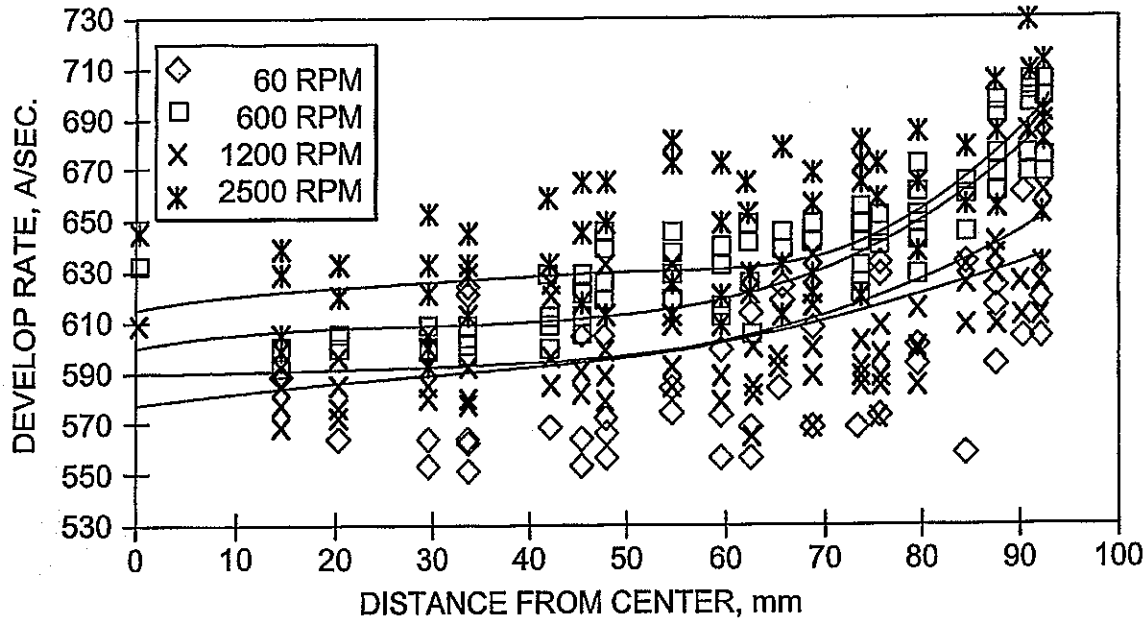


FIG. 15

DEVELOP RATES AT 121 WAFER LOCATIONS, DEVELOP ARM OFFSET=5mm
TOK 9; DOSE=12; DEVELOP TIME=10SEC.

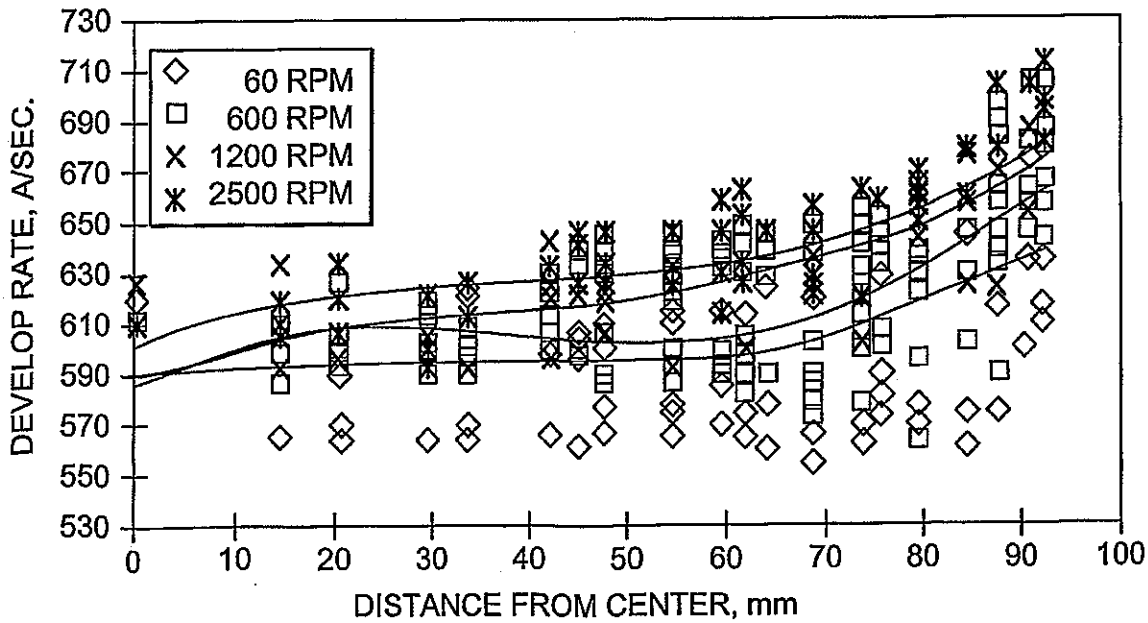


FIG. 16

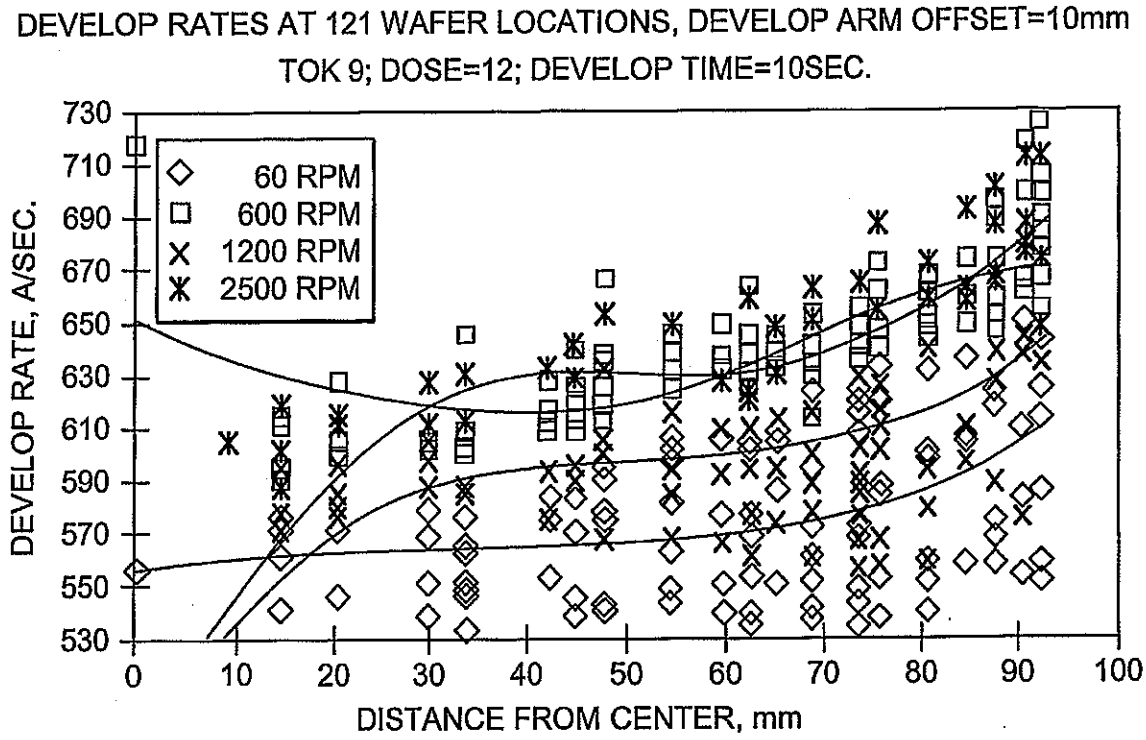

DEVELOP RATES AT 121 WAFER LOCATIONS, DEVELOP ARM OFFSET=10mm
TOK 9; DOSE=12; DEVELOP TIME=10SEC.
60 RPM
600 RPM
1200 RPM
2500 RPM
DEVELOP RATE, A/SEC.
730
710
690
670
650
630
610
590
570
550
530
0
10
20
30
40
50
60
70
80
90
100
DISTANCE FROM CENTER, mm

FIG. 17

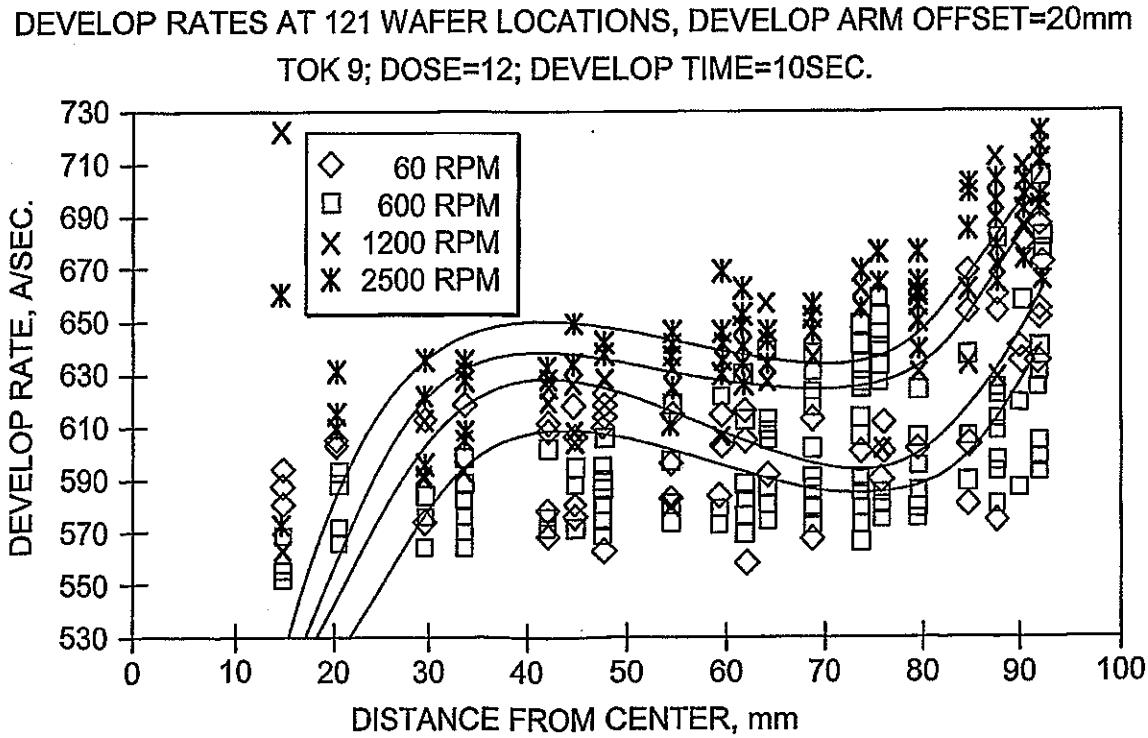

DEVELOP RATES AT 121 WAFER LOCATIONS, DEVELOP ARM OFFSET=20mm
TOK 9; DOSE=12; DEVELOP TIME=10SEC.
60 RPM
600 RPM
1200 RPM
2500 RPM
DEVELOP RATE, A/SEC.
730
710
690
670
650
630
610
590
570
550
530
0
10
20
30
40
50
60
70
80
90
100
DISTANCE FROM CENTER, mm

FIG. 18

FIG.19A

FIG.19B

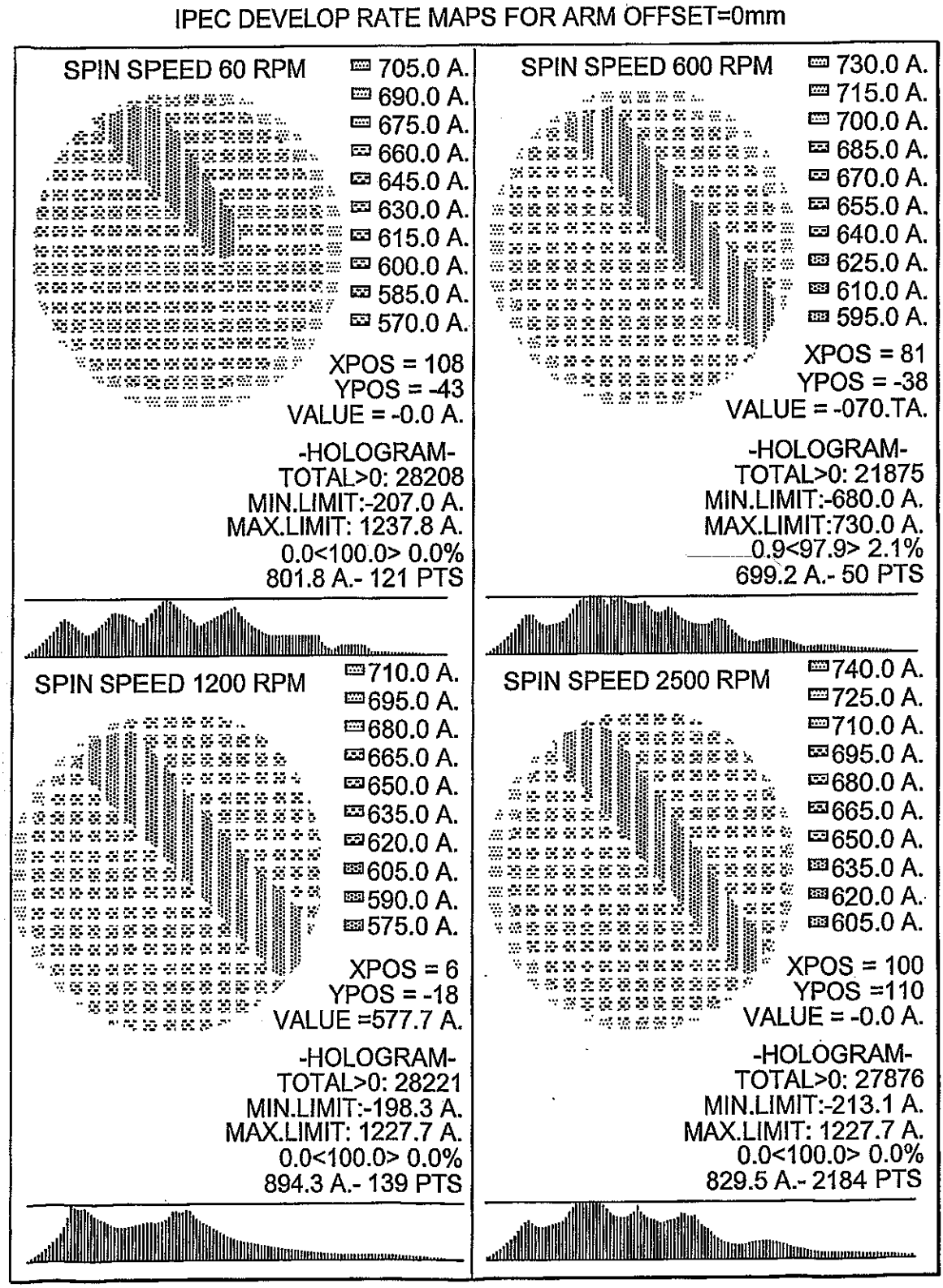


FIG.19C

FIG.19D

FIG.20A FIG.20B

IPEC DEVELOP RATE MAPS FOR ARM OFFSET=5mm

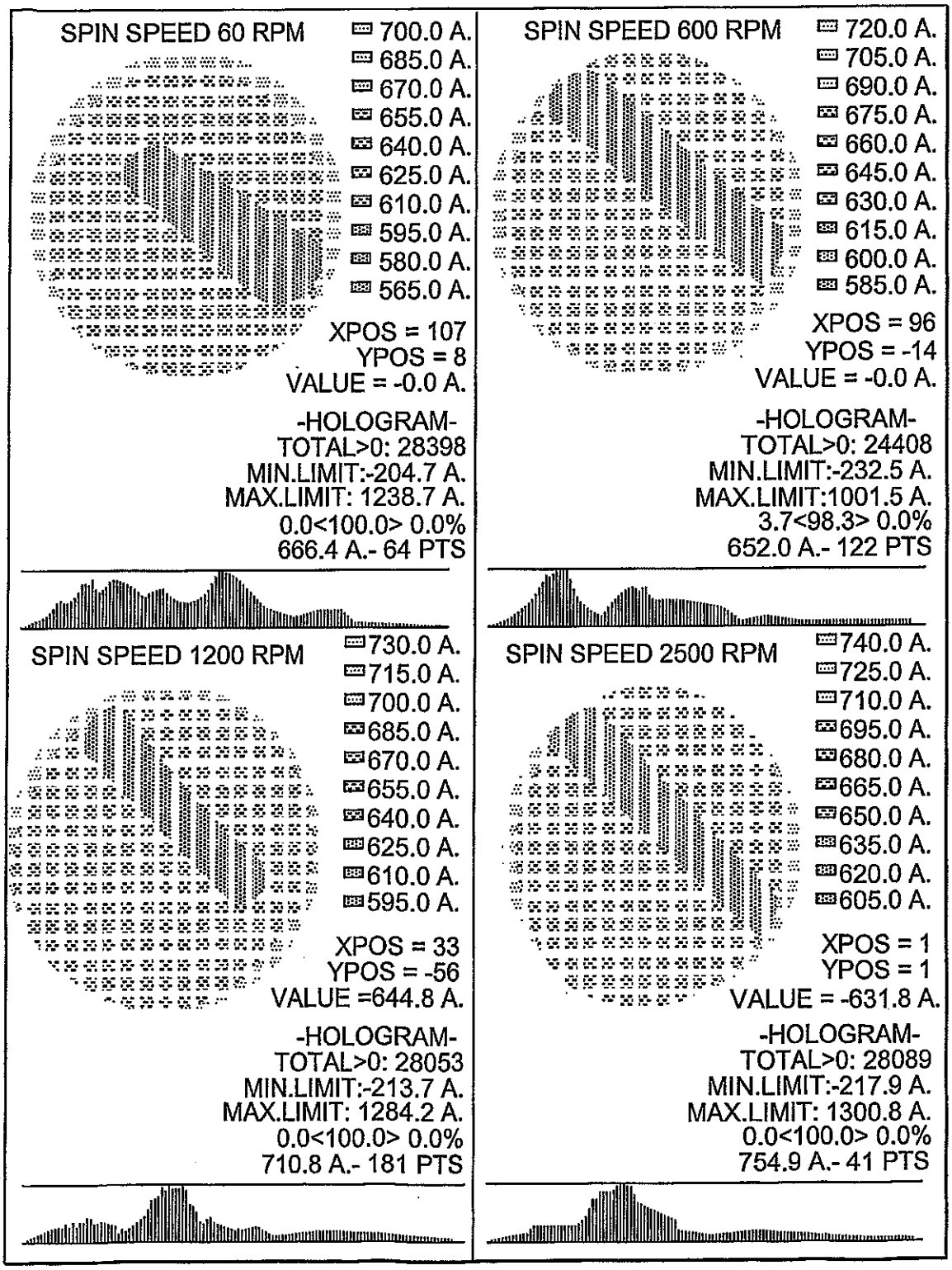


FIG.20C FIG.20D

FIG.21A

FIG.21B

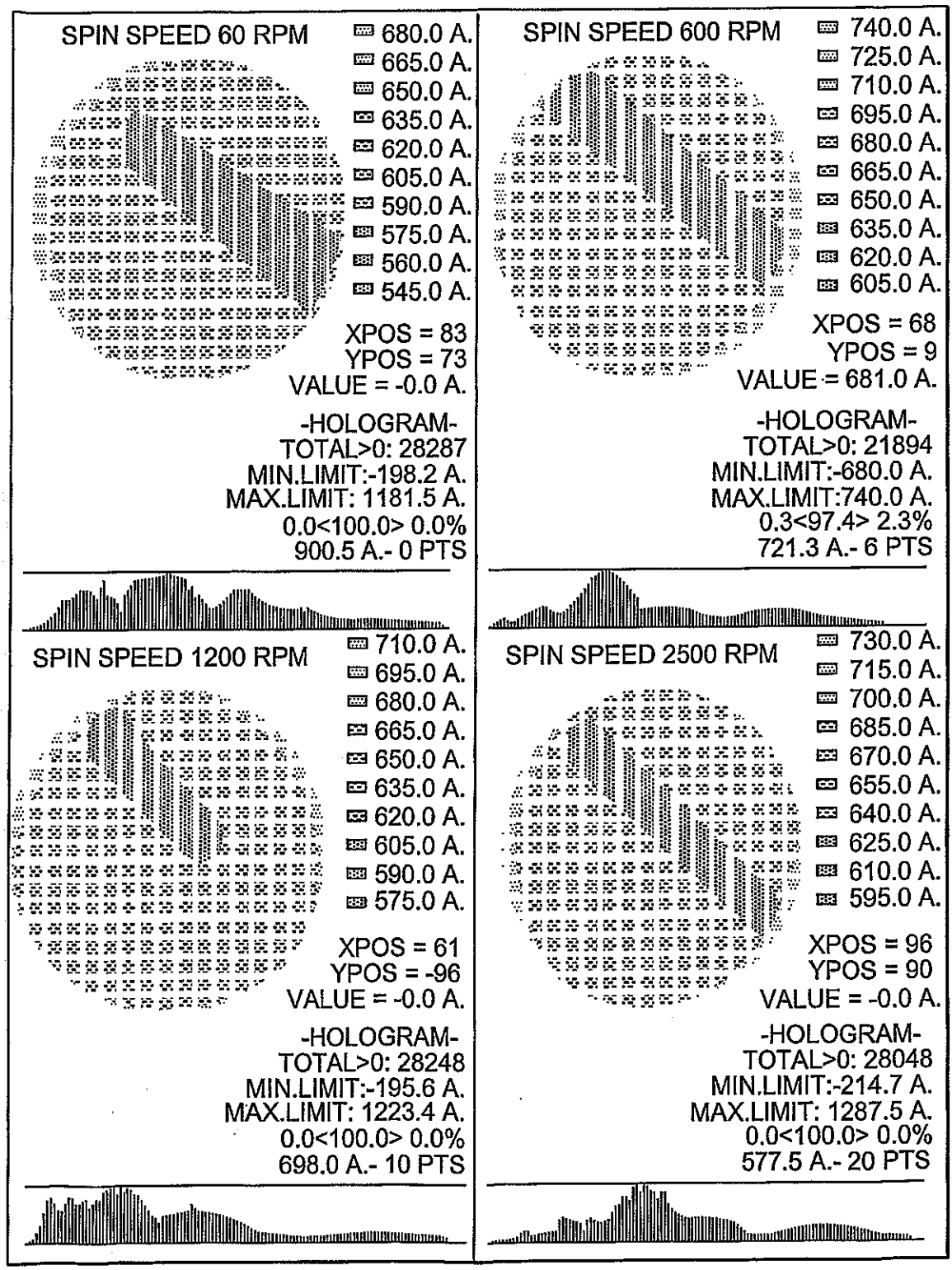


FIG.21C

FIG.21D

FIG.22A

FIG.22B

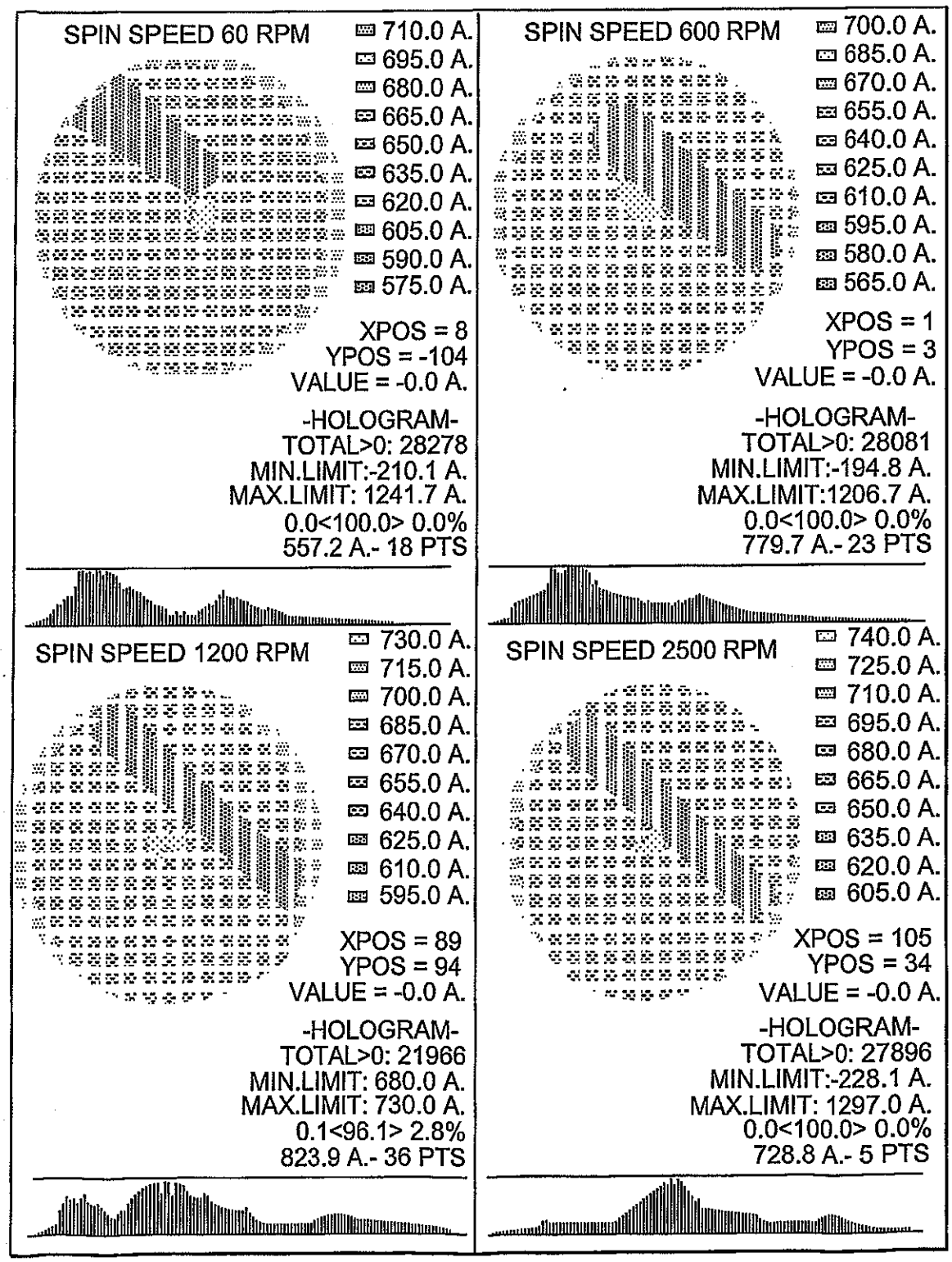


FIG.22C

FIG.22D

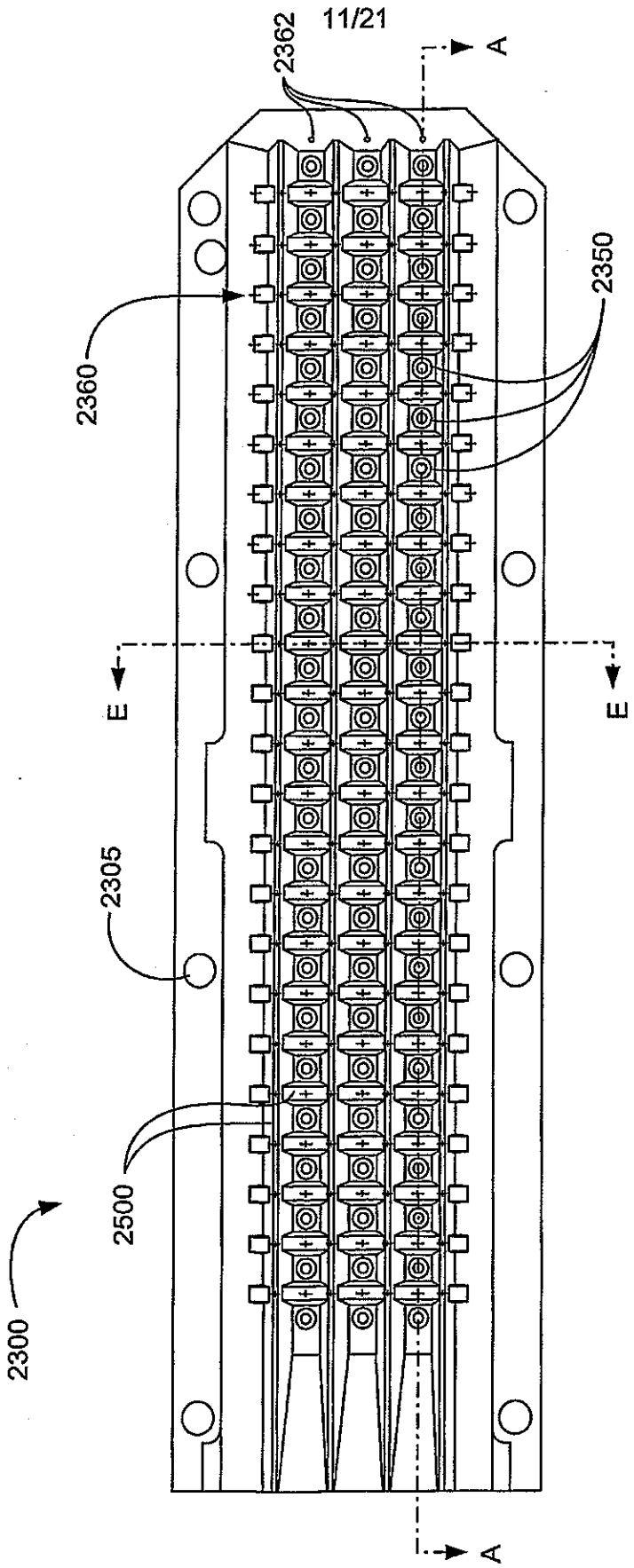


FIG. 23

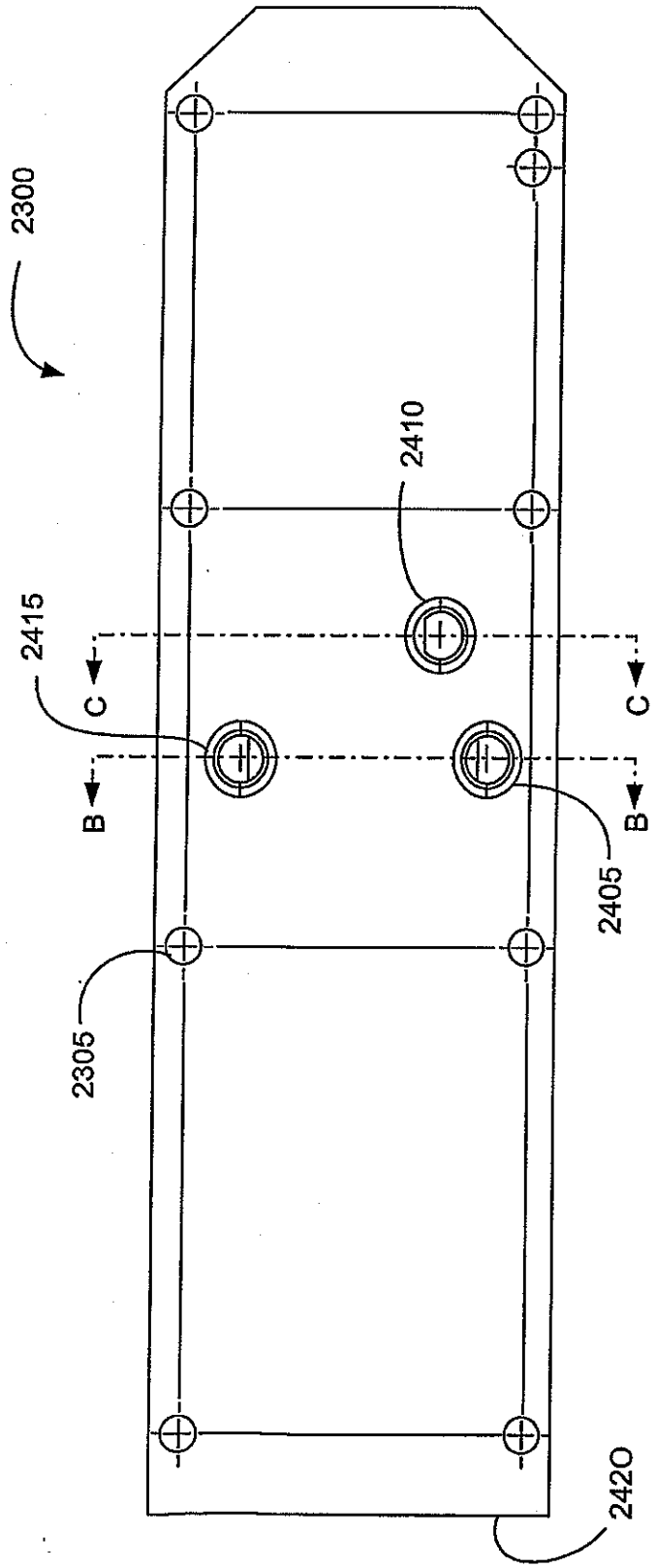


FIG. 24

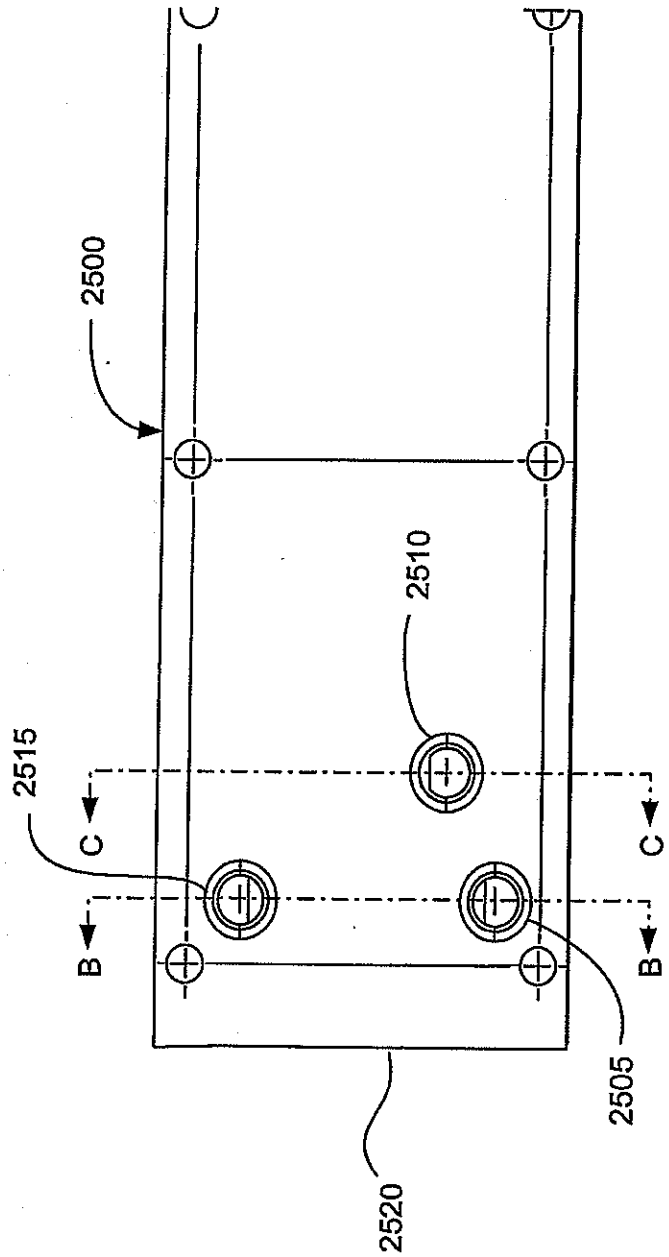


FIG. 25

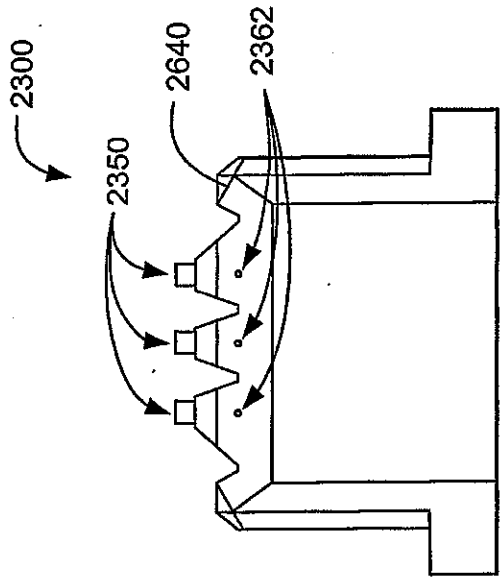


FIG. 26B

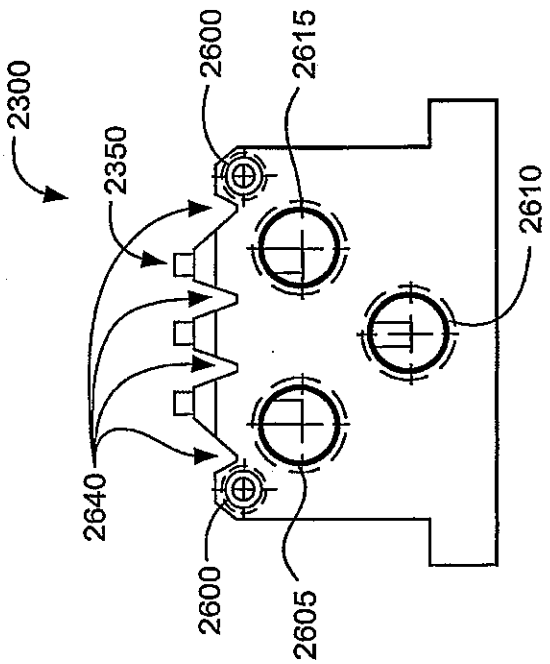


FIG. 26A

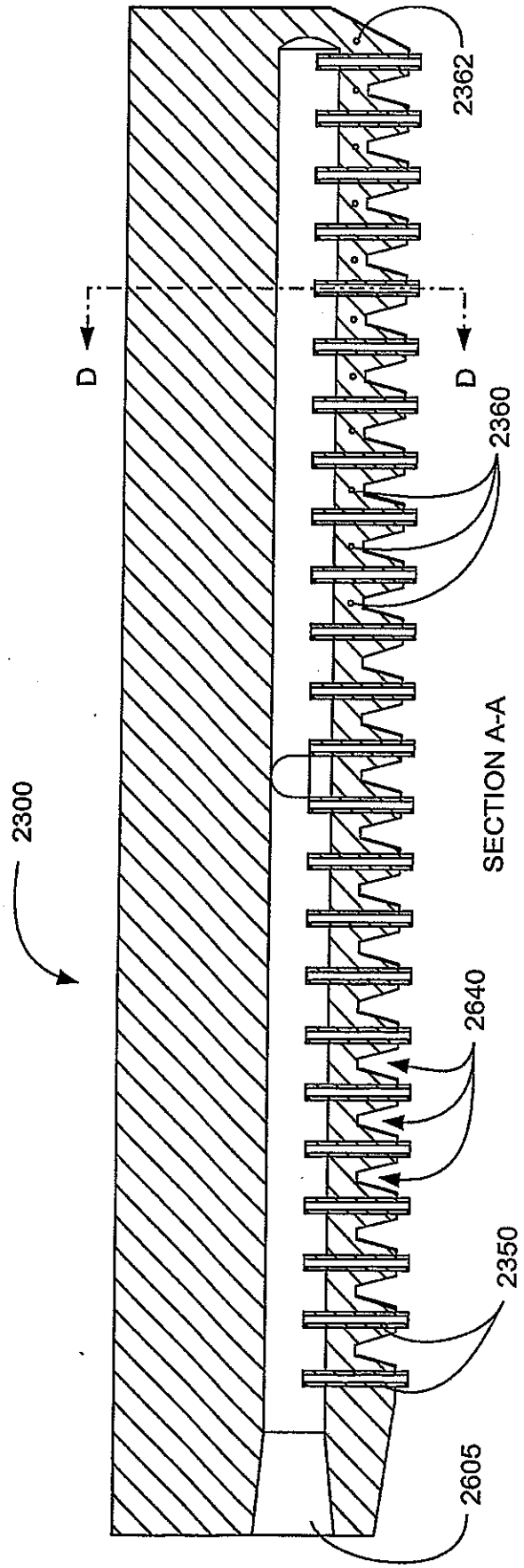
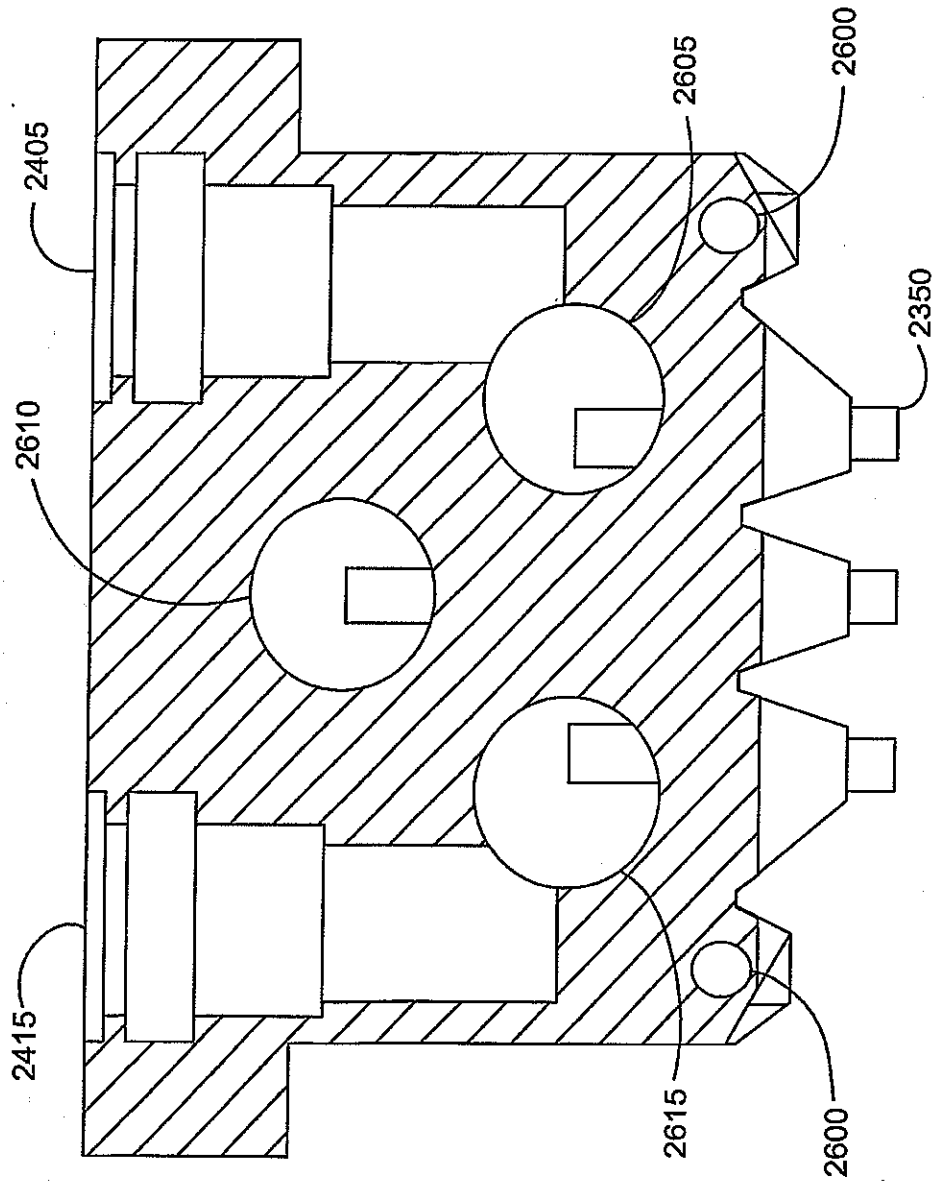
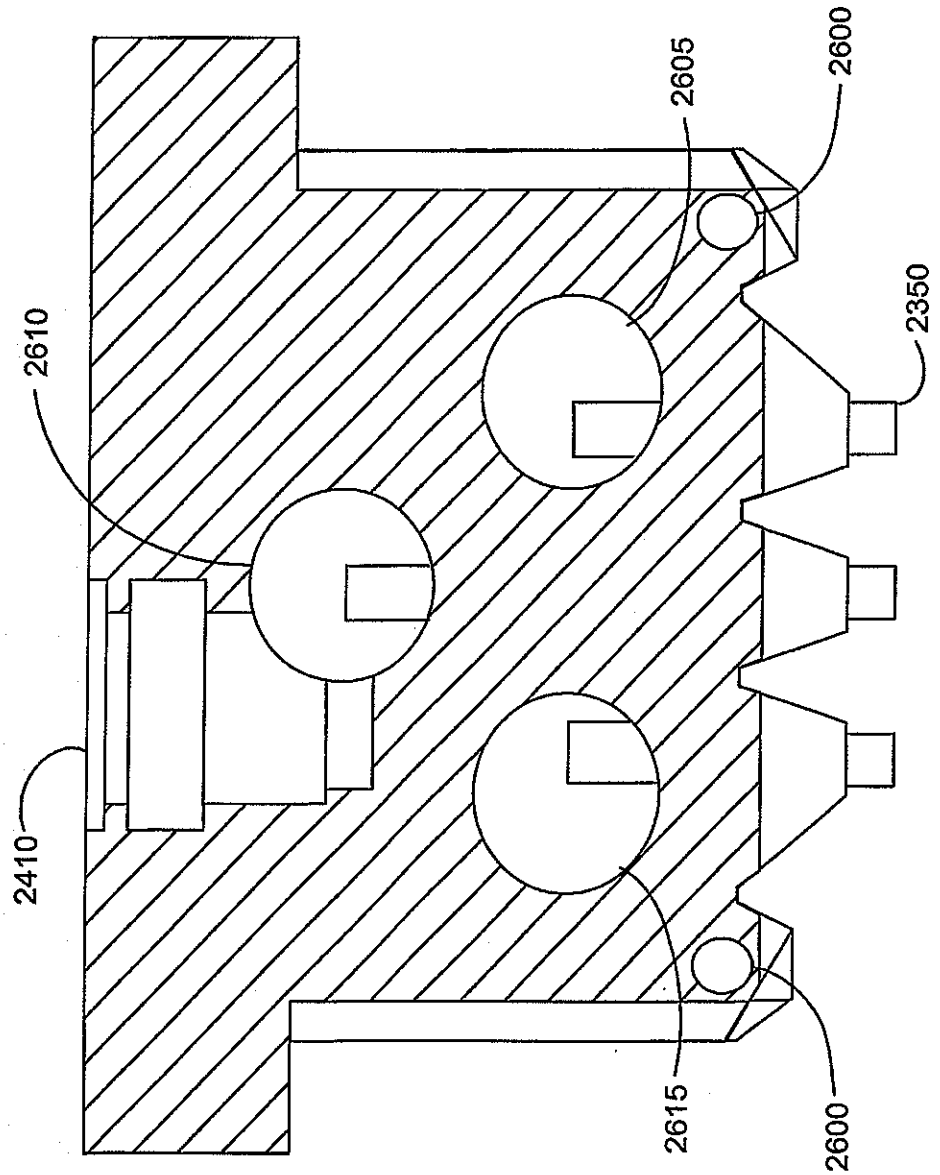


FIG. 27



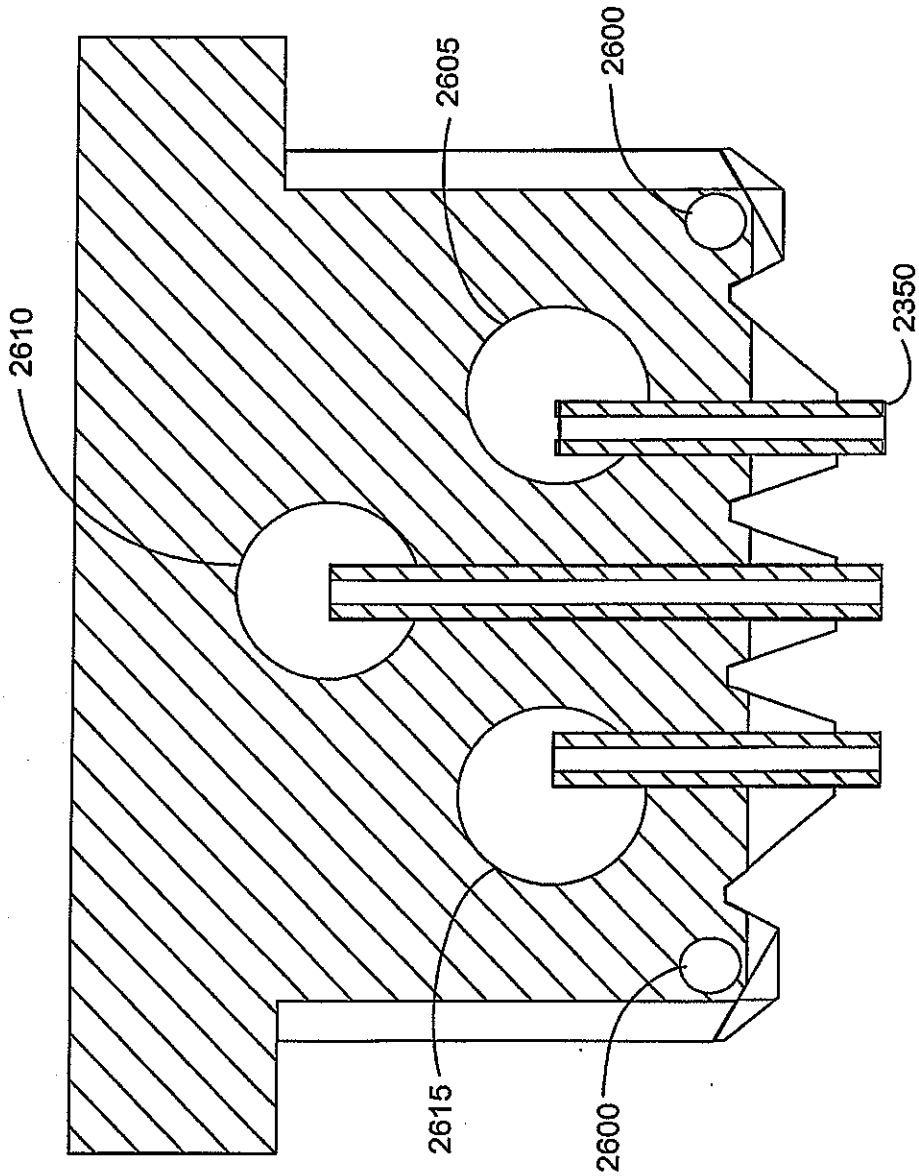
SECTION B-B

FIG. 28



SECTION C-C

FIG. 29



SECTION D-D

FIG. 30

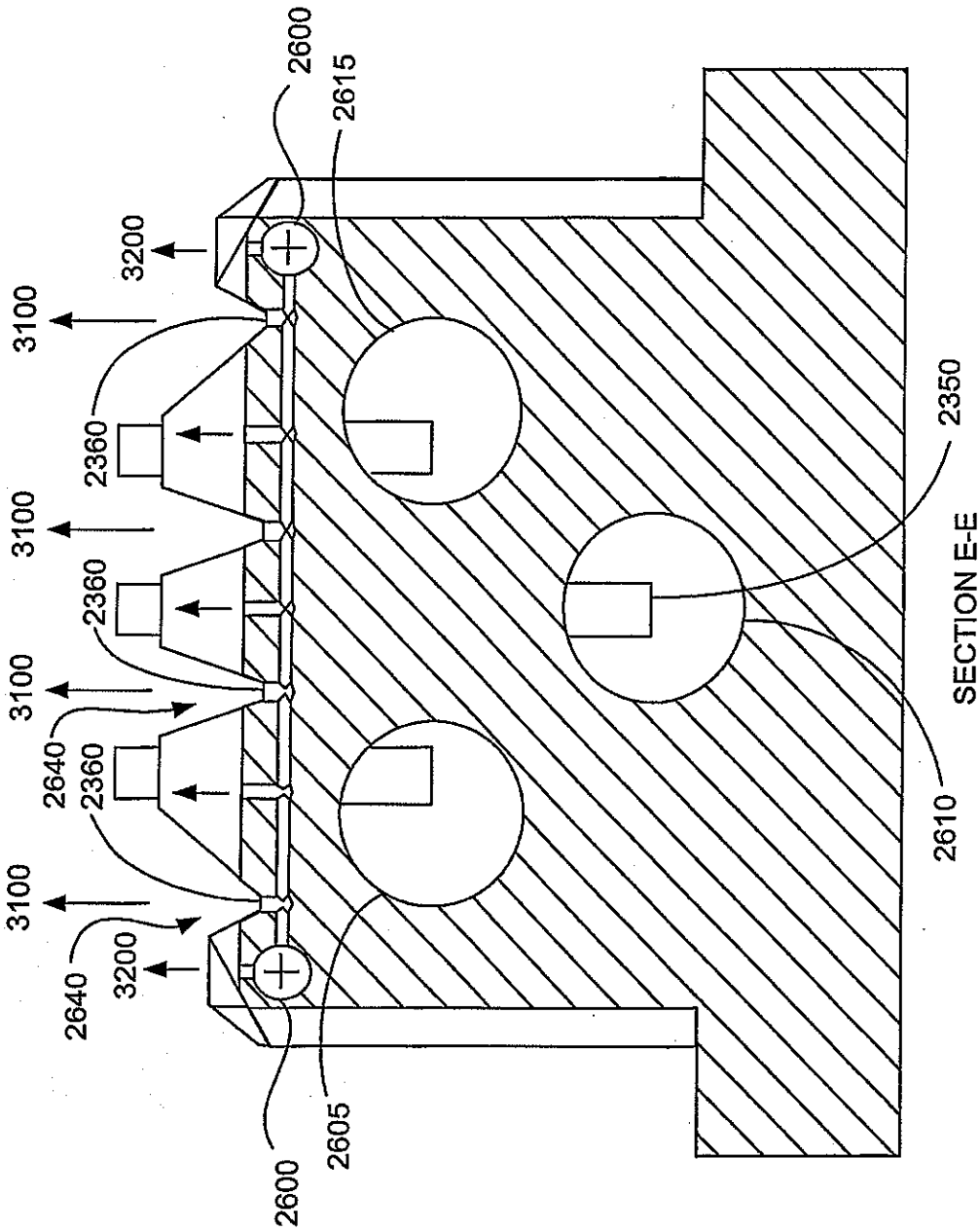

2600
2615
3200
3100
2360
3100
2360
3100
2640
2360
3100
2640
3200
2600
2605
2350
2610
SECTION E-E

FIG. 31

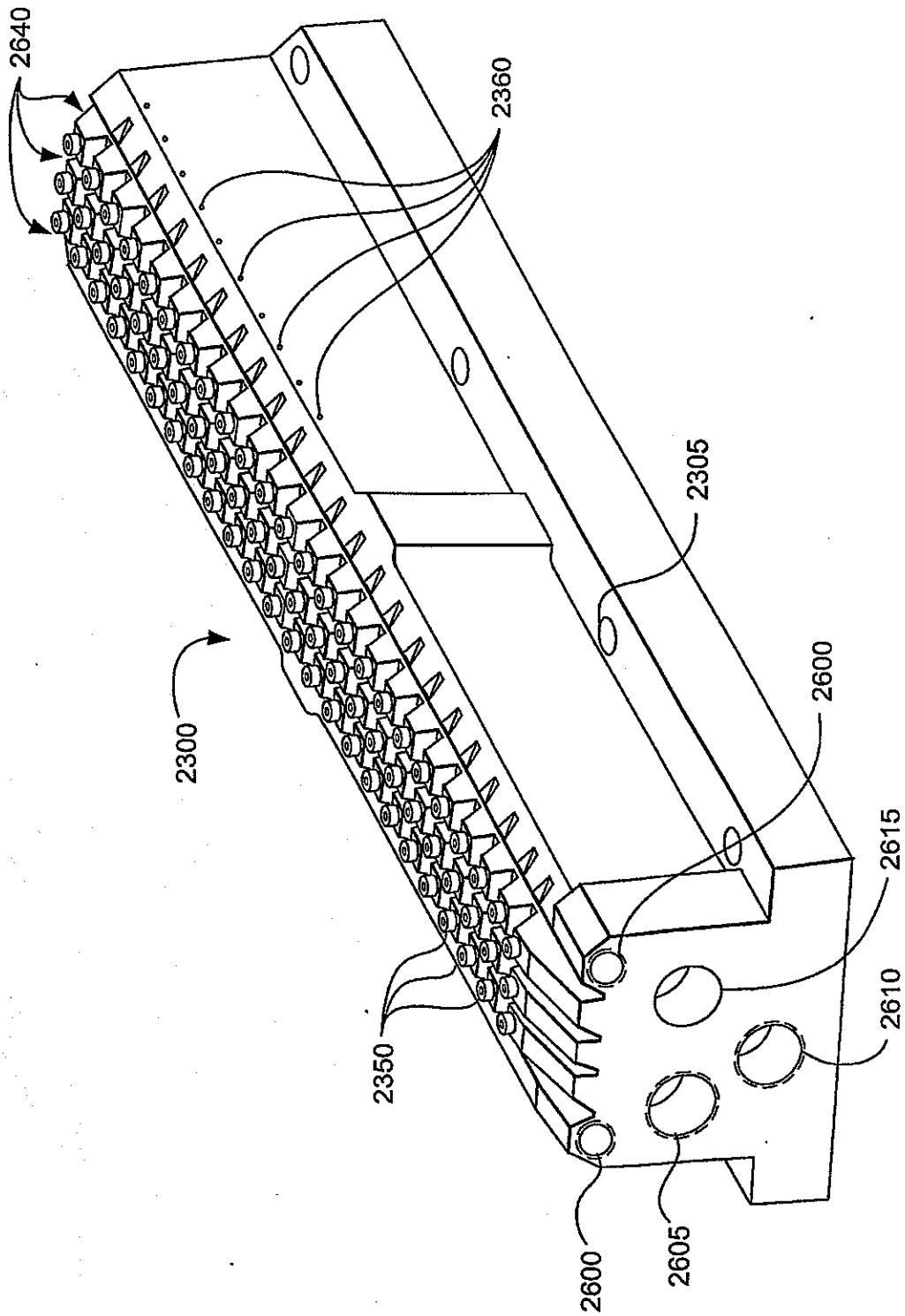


FIG. 32

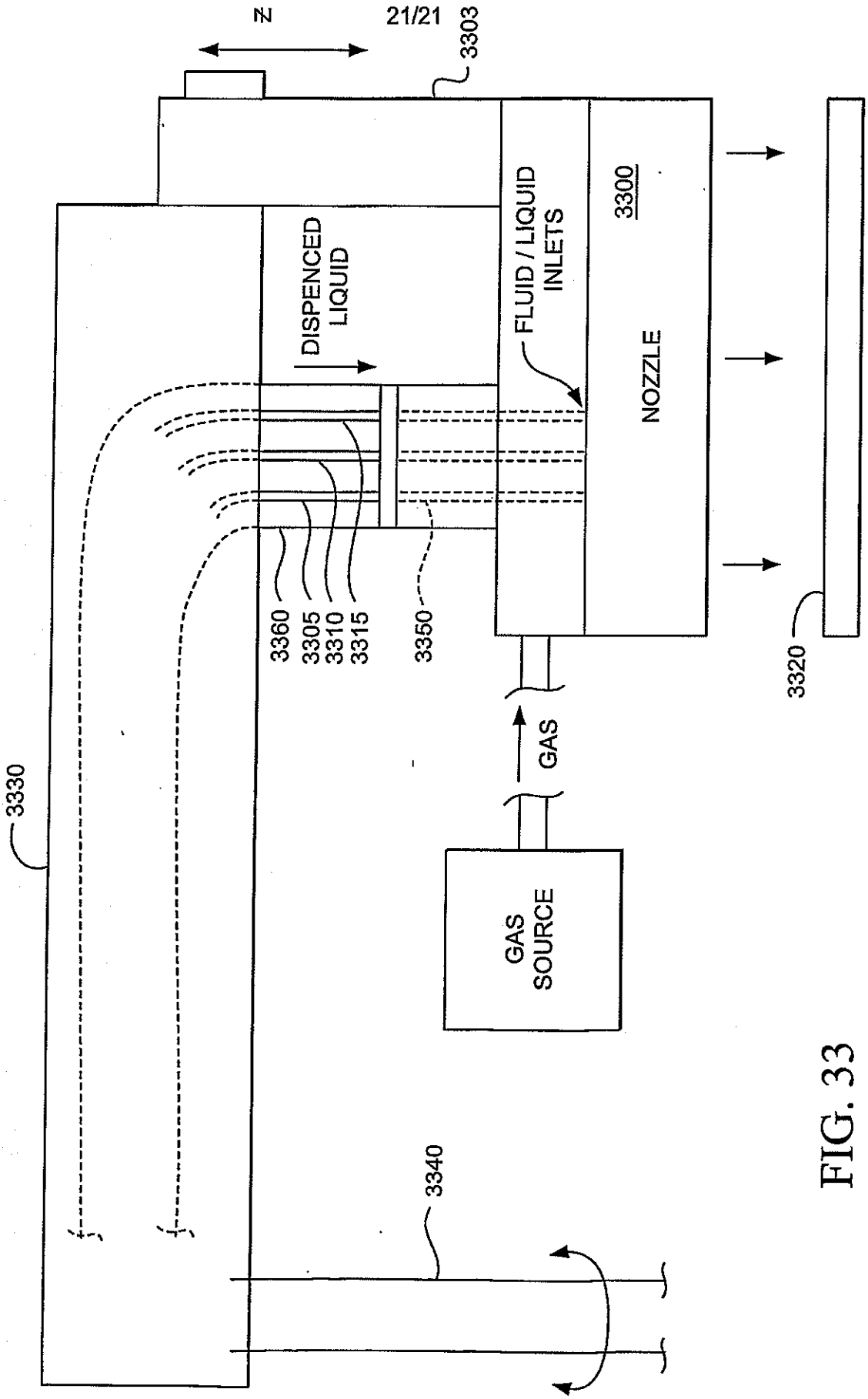

N
3303
DISPENCED LIQUID
FLUID / LIQUID INLETS
3300
NOZZLE
3360
3305
3310
3315
3350
3320
3330
GAS
GAS SOURCE
3340

FIG. 33