

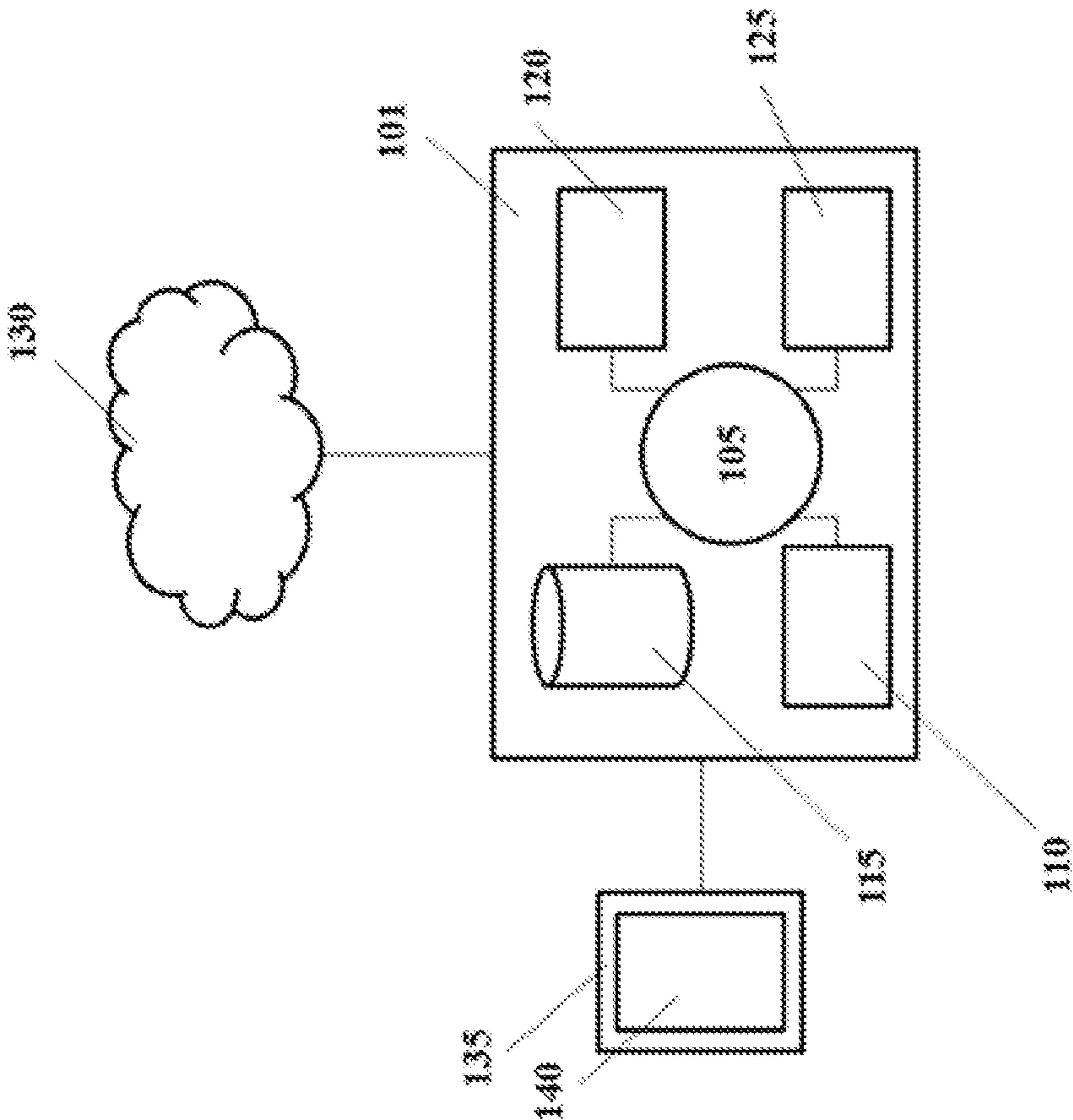


FIG. 1

200

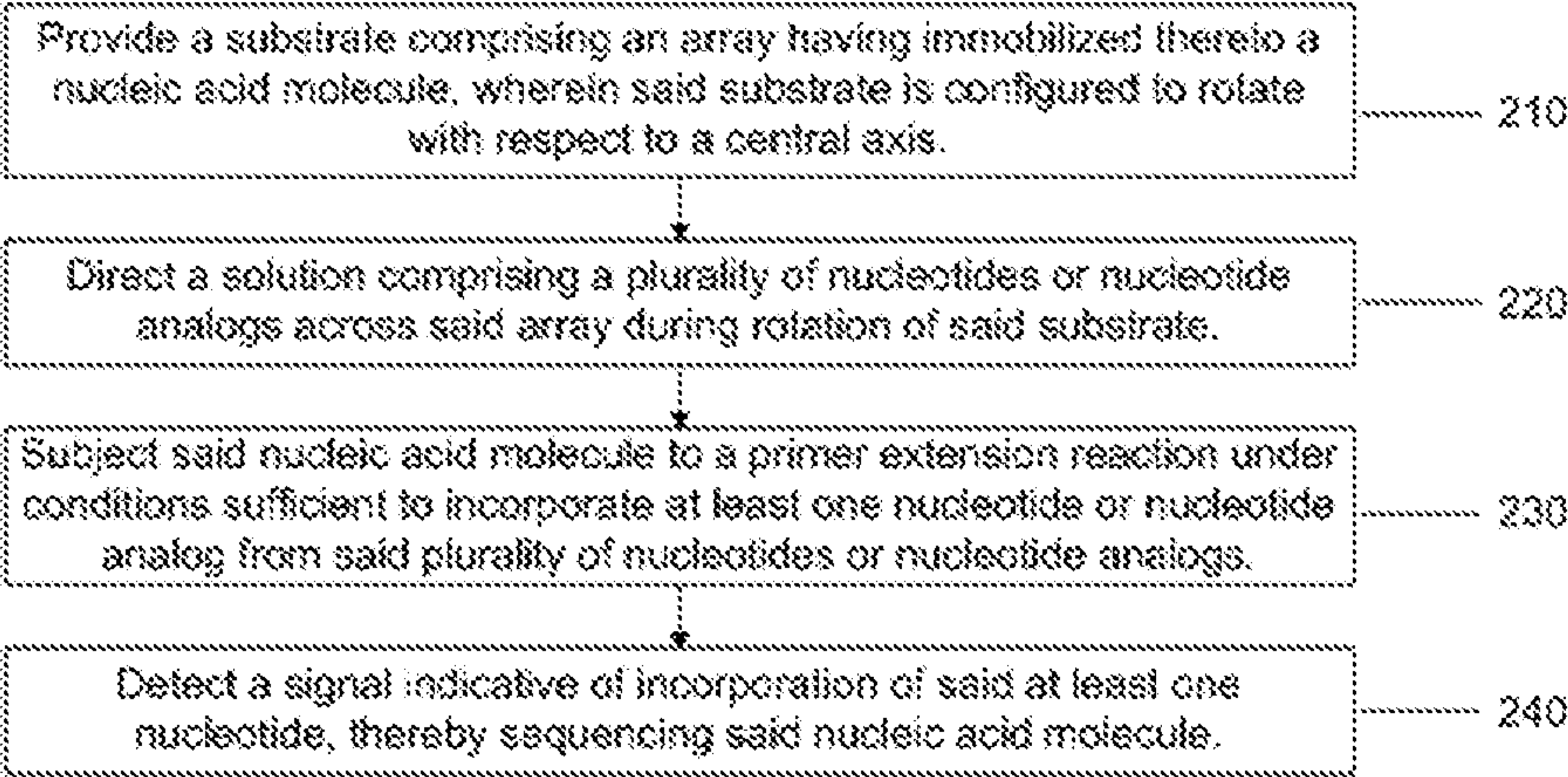


FIG. 2

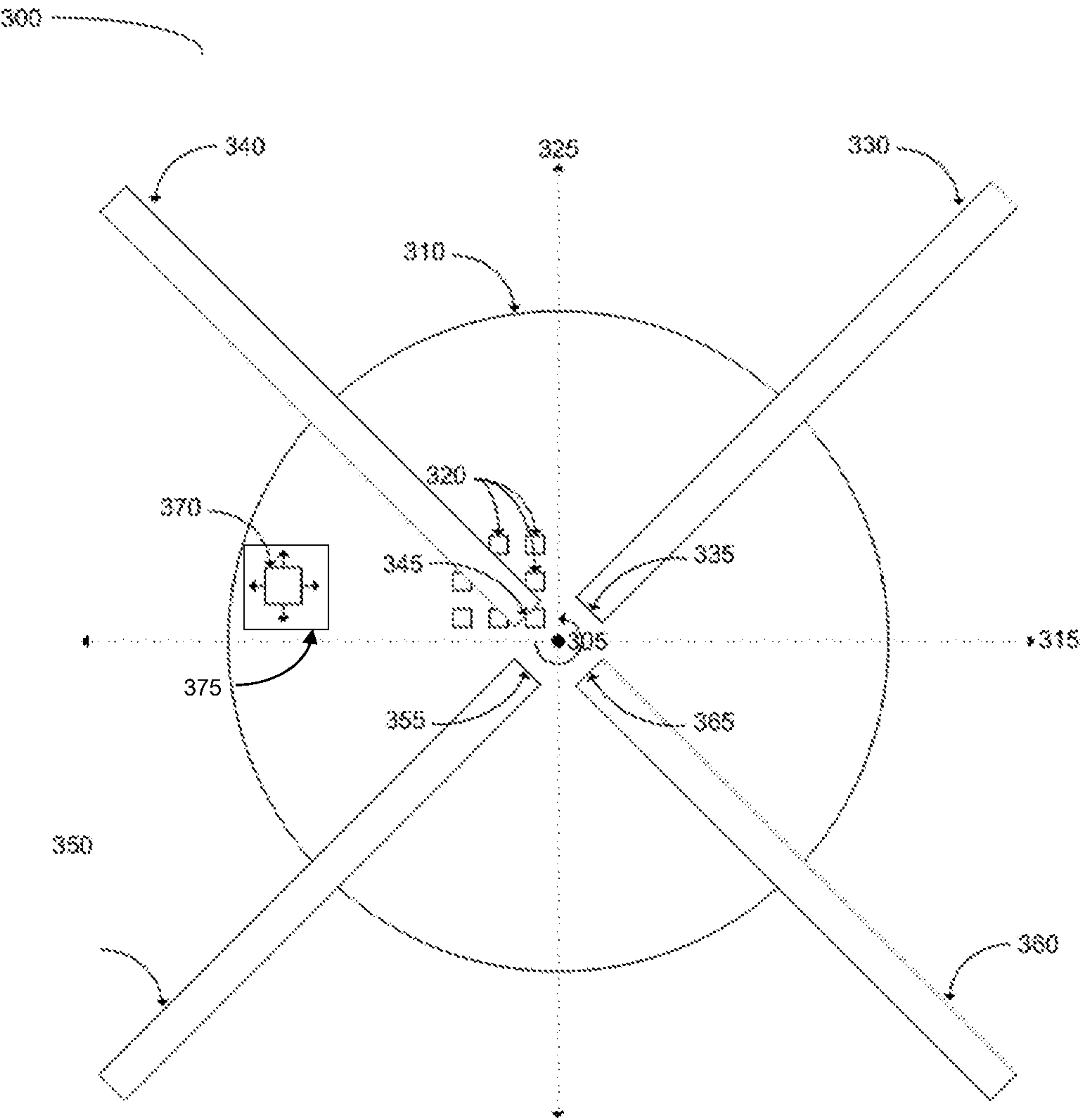


FIG. 3

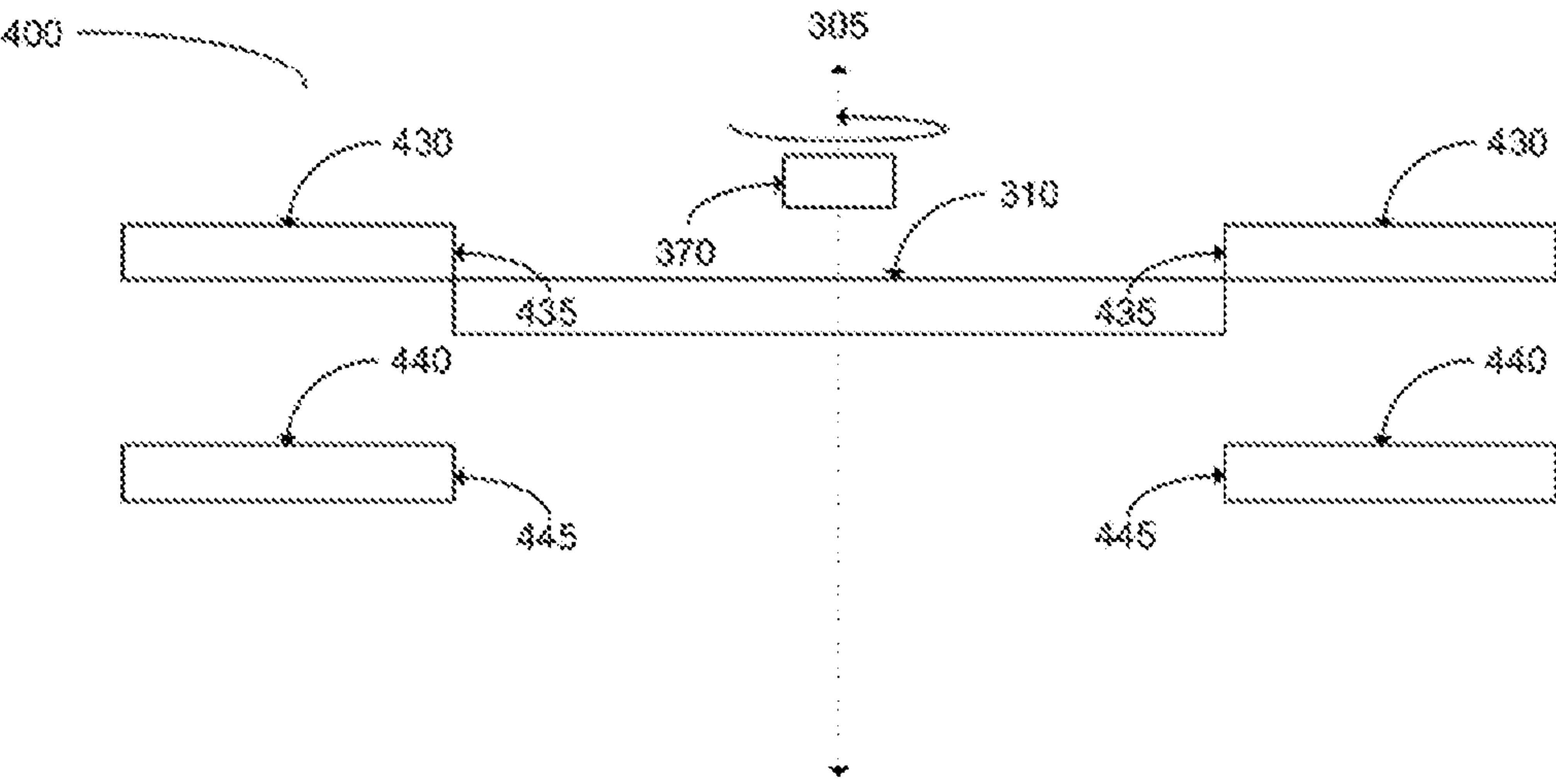


FIG. 4A

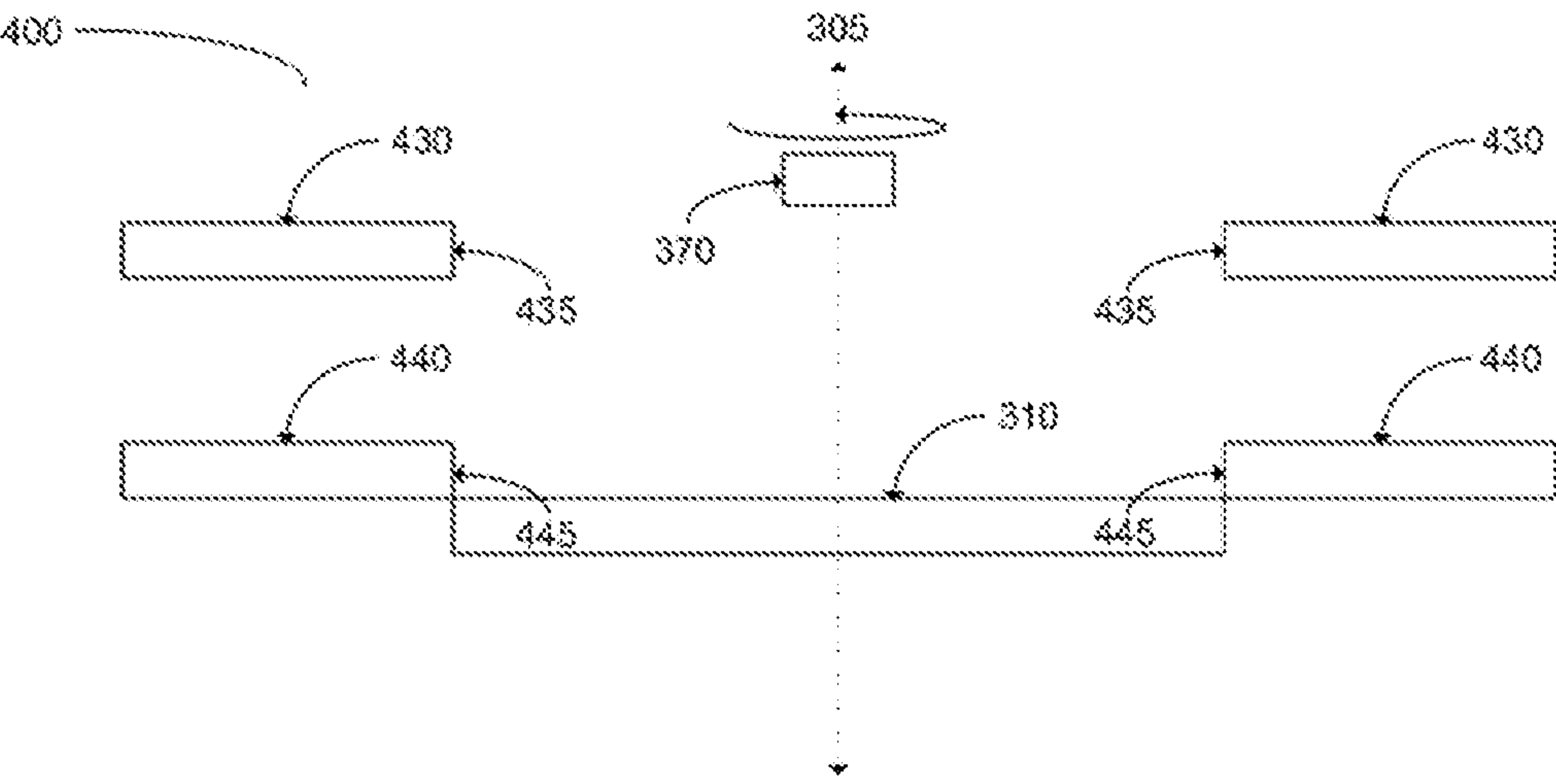


FIG. 4B

500a

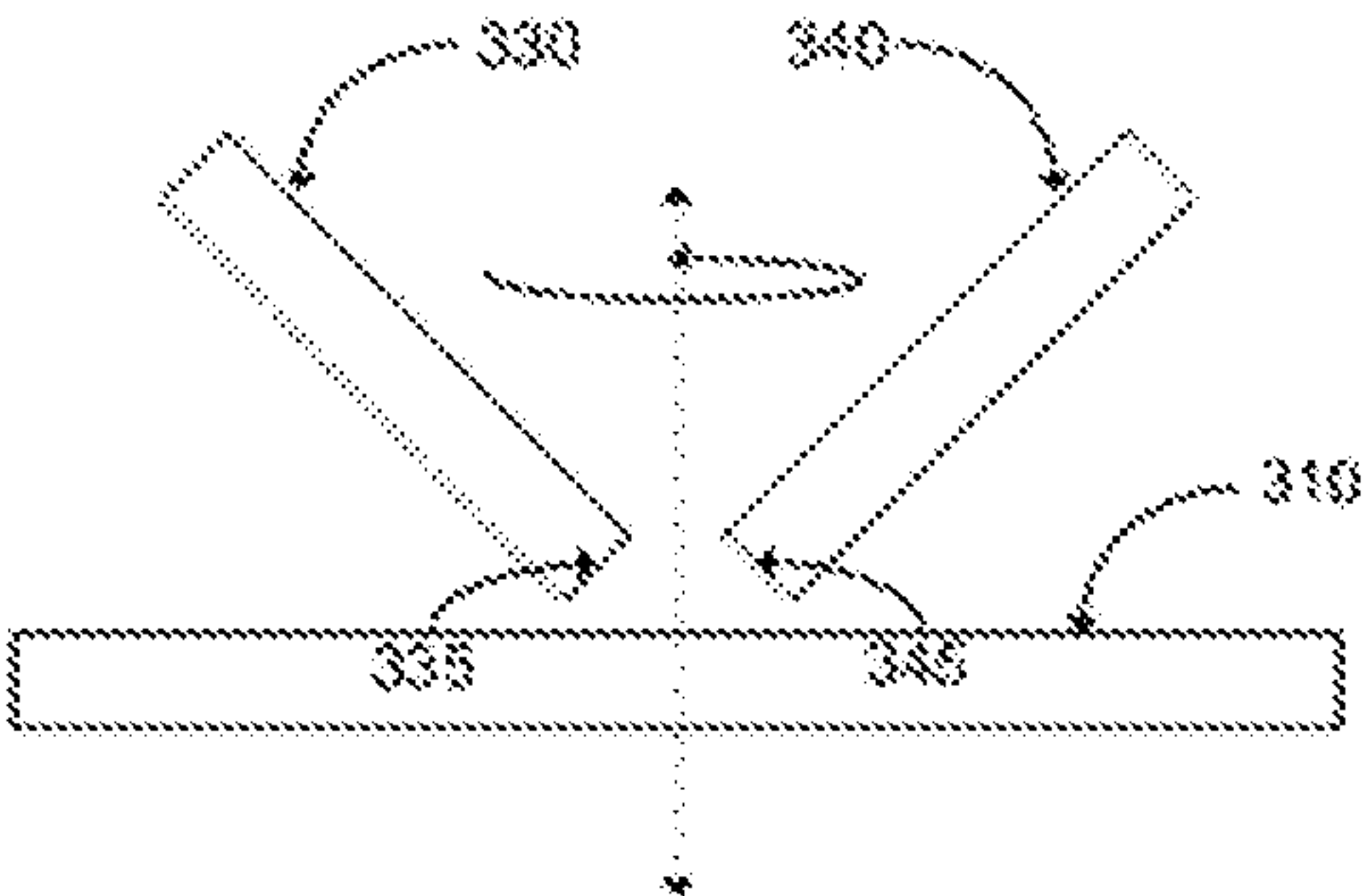


FIG. 5A

500b

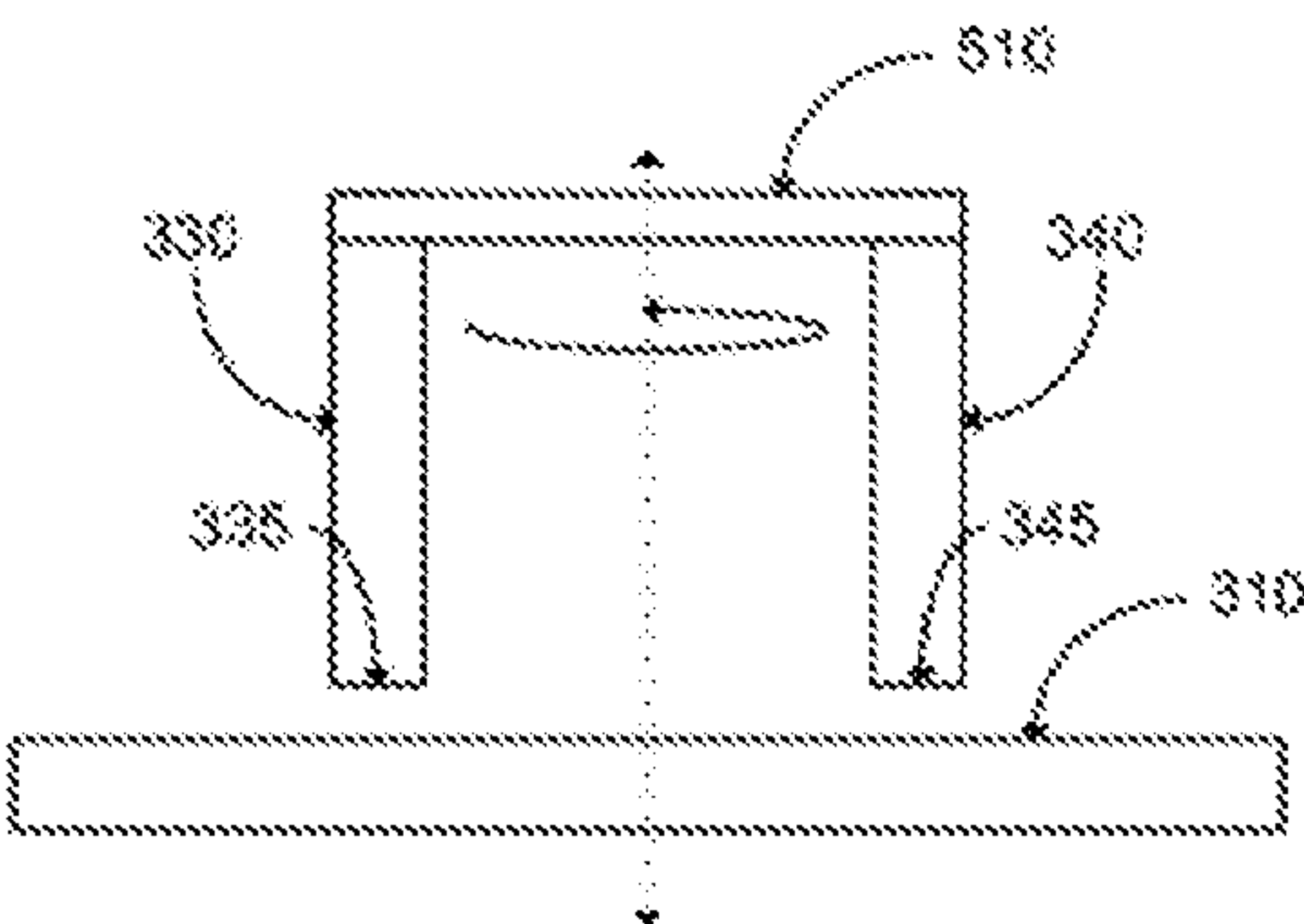


FIG. 5B

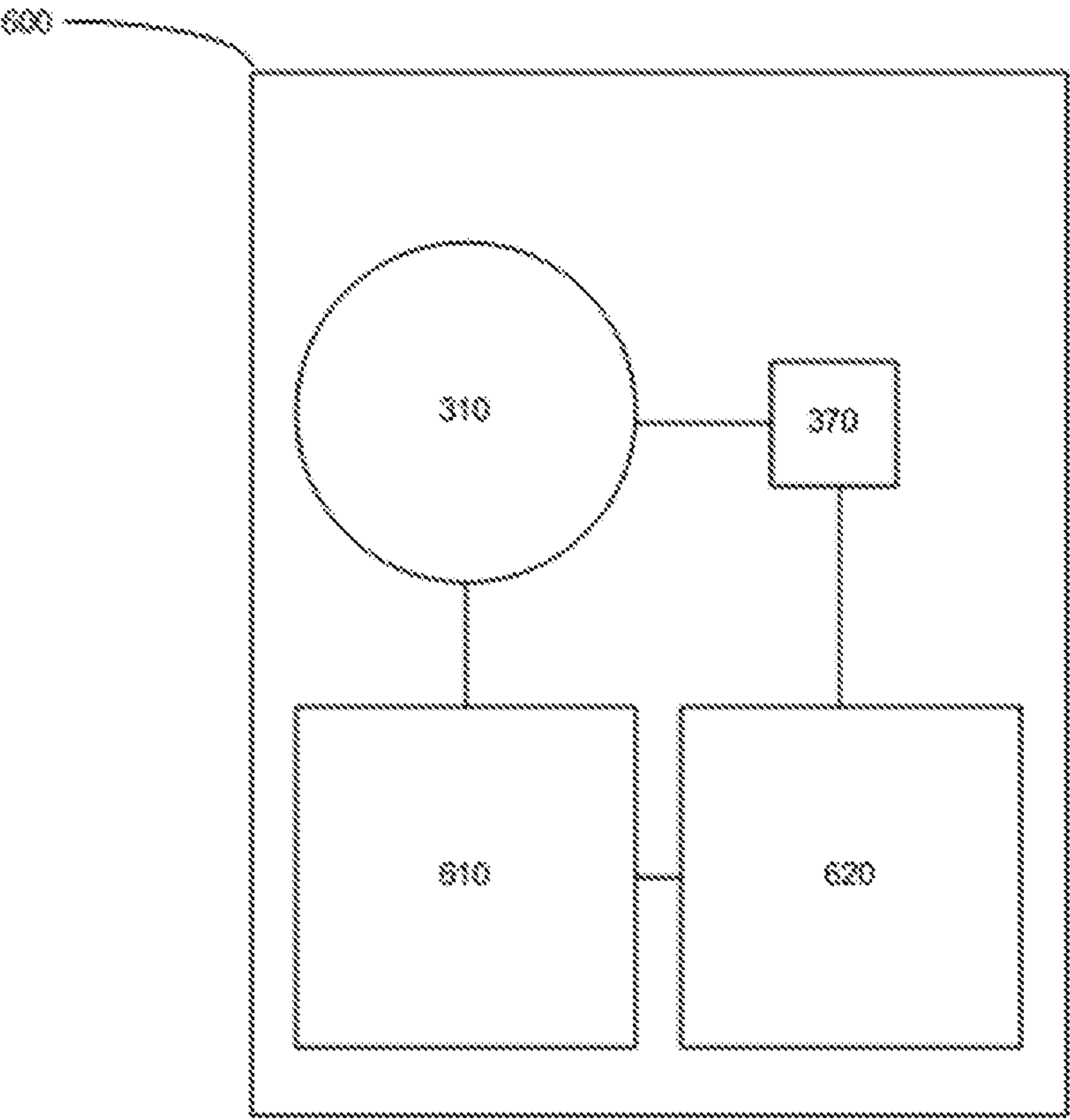


FIG. 6

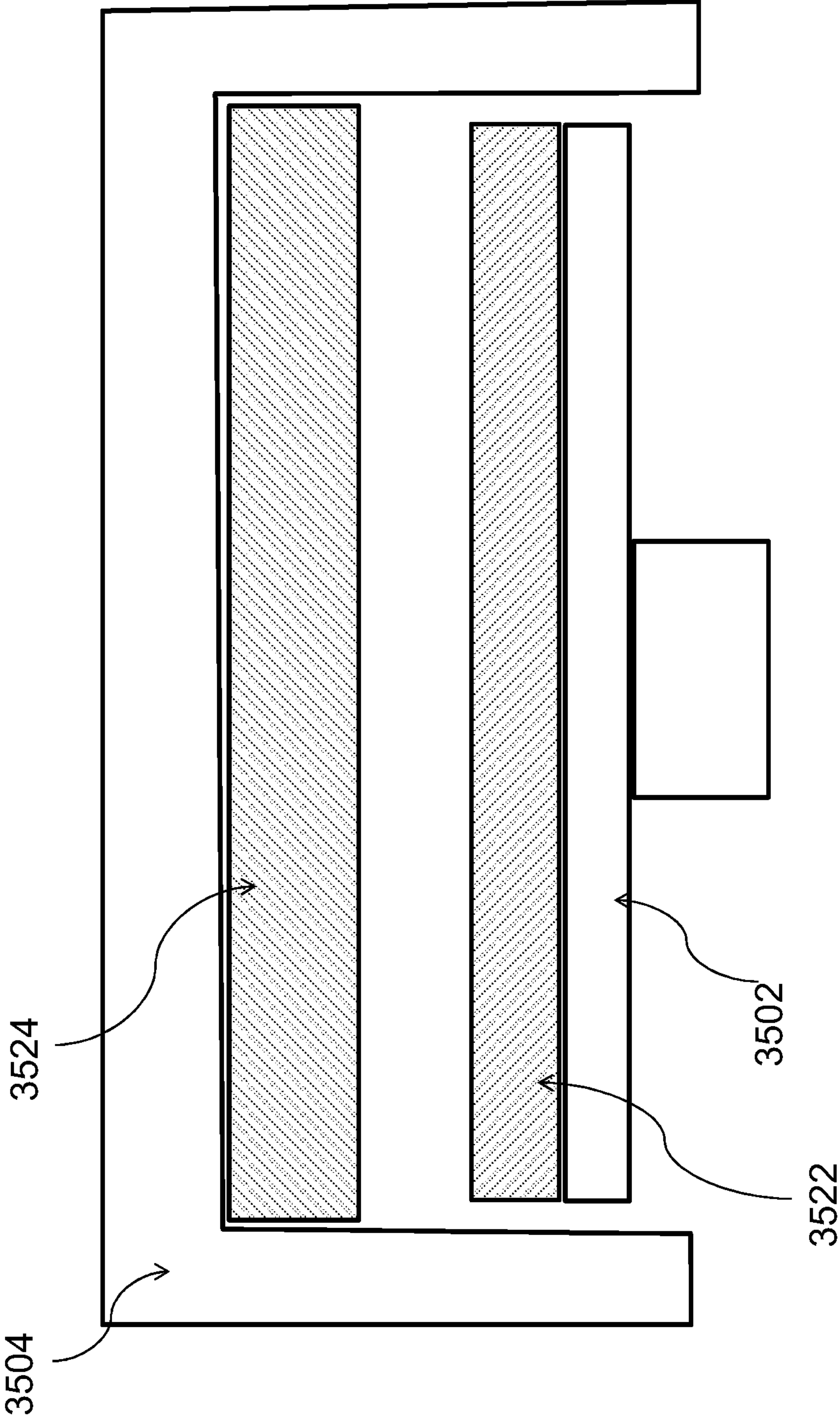


FIG. 7

FIG. 8A

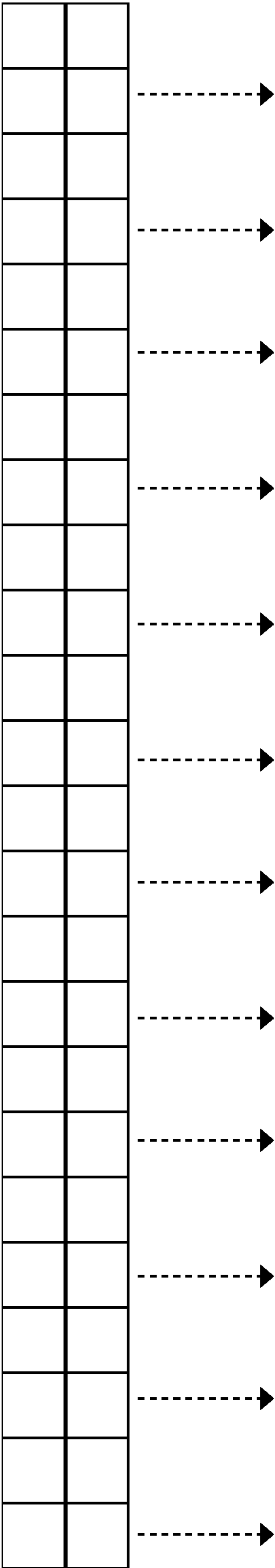


FIG. 8B

R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G
B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B	B

FIG. 8C

B	R	B	R	B	R	B	R	B	R	B	R	B	R	B	R	B	R
G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G	G

FIG. 8D

B	G	B	G	B	G	B	G	B	G	B	G	B	G	B	G	B	G
G	R	G	R	G	R	G	R	G	R	G	R	G	R	G	R	G	R

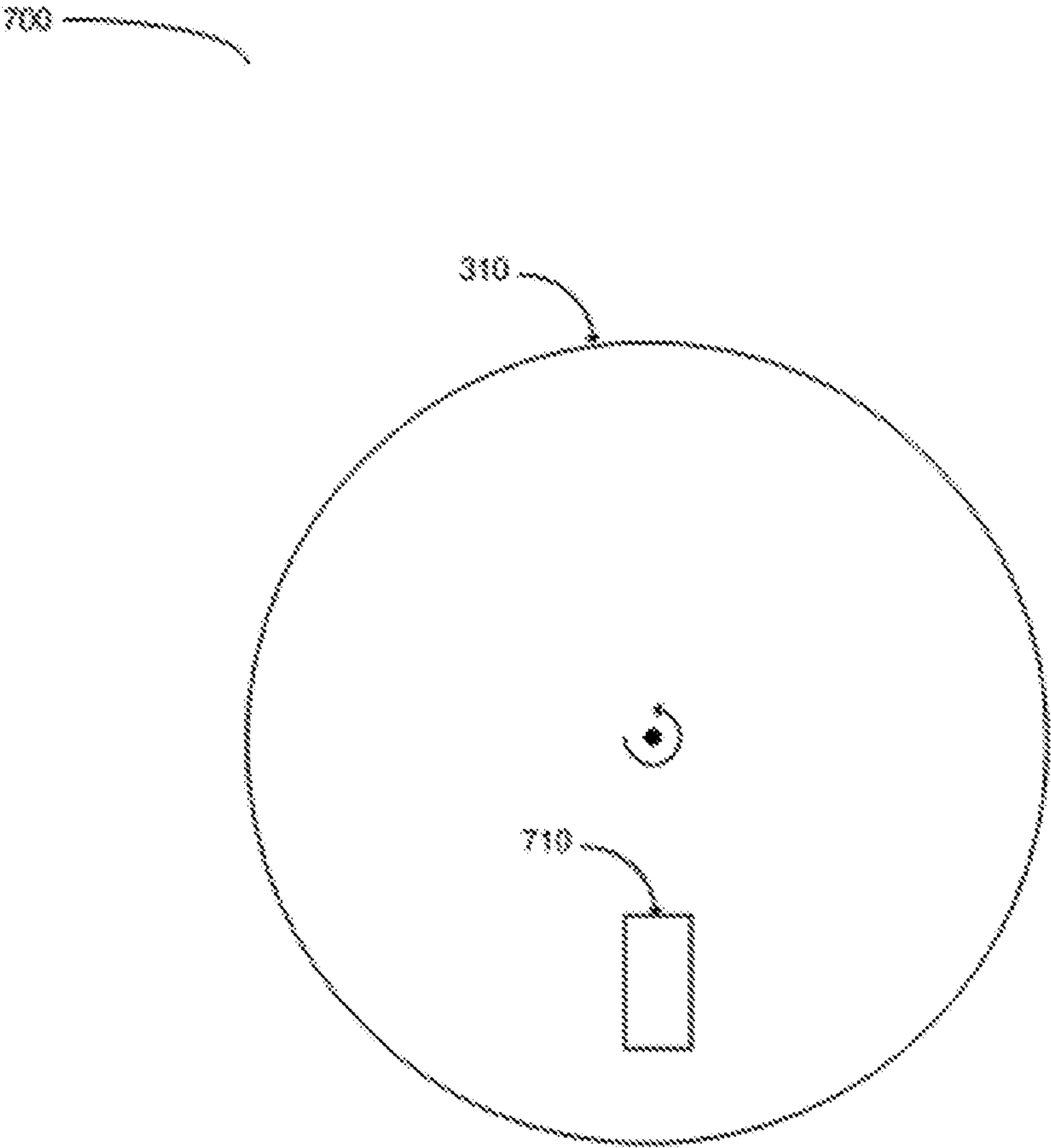


FIG. 9

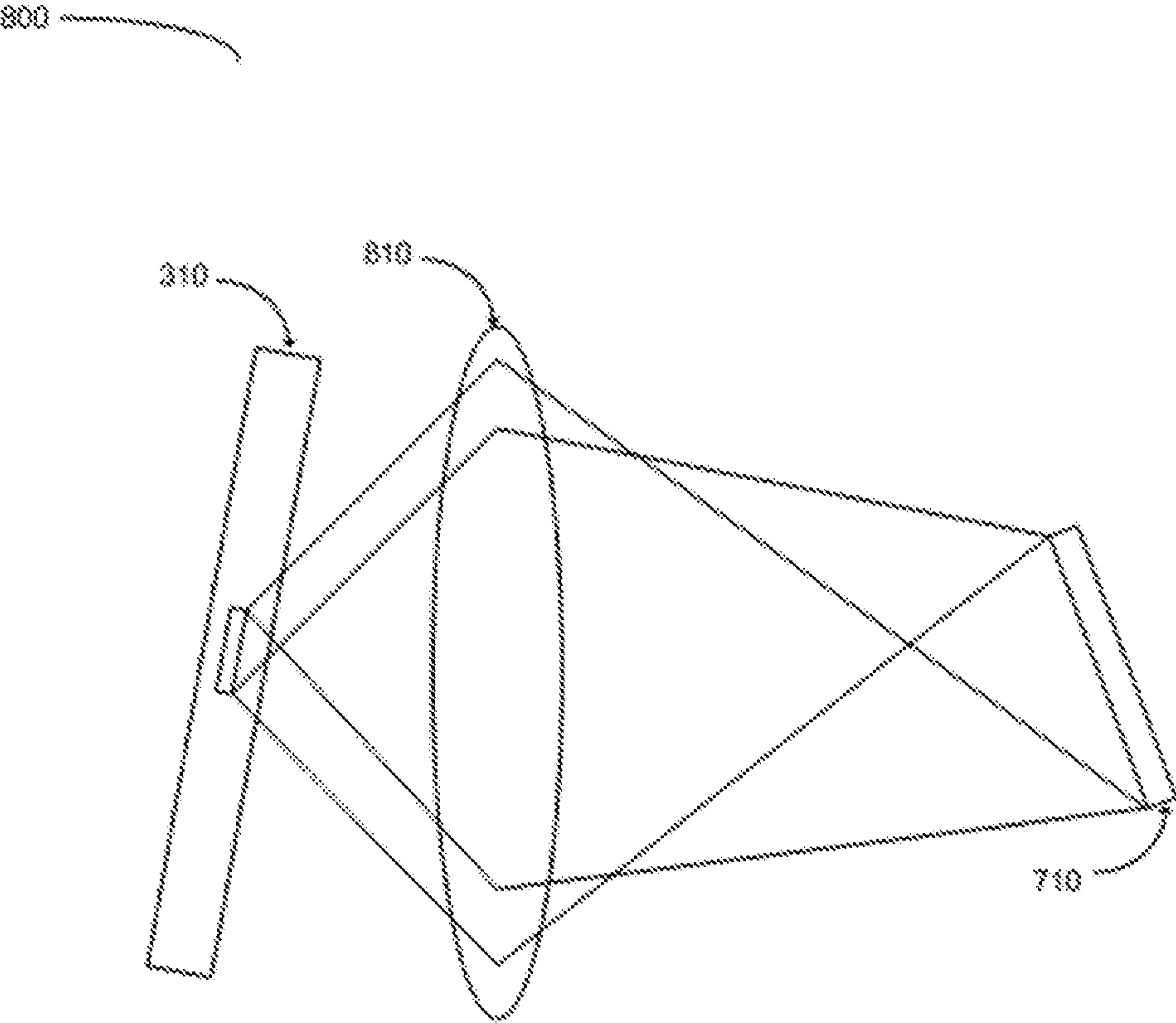


FIG. 10A

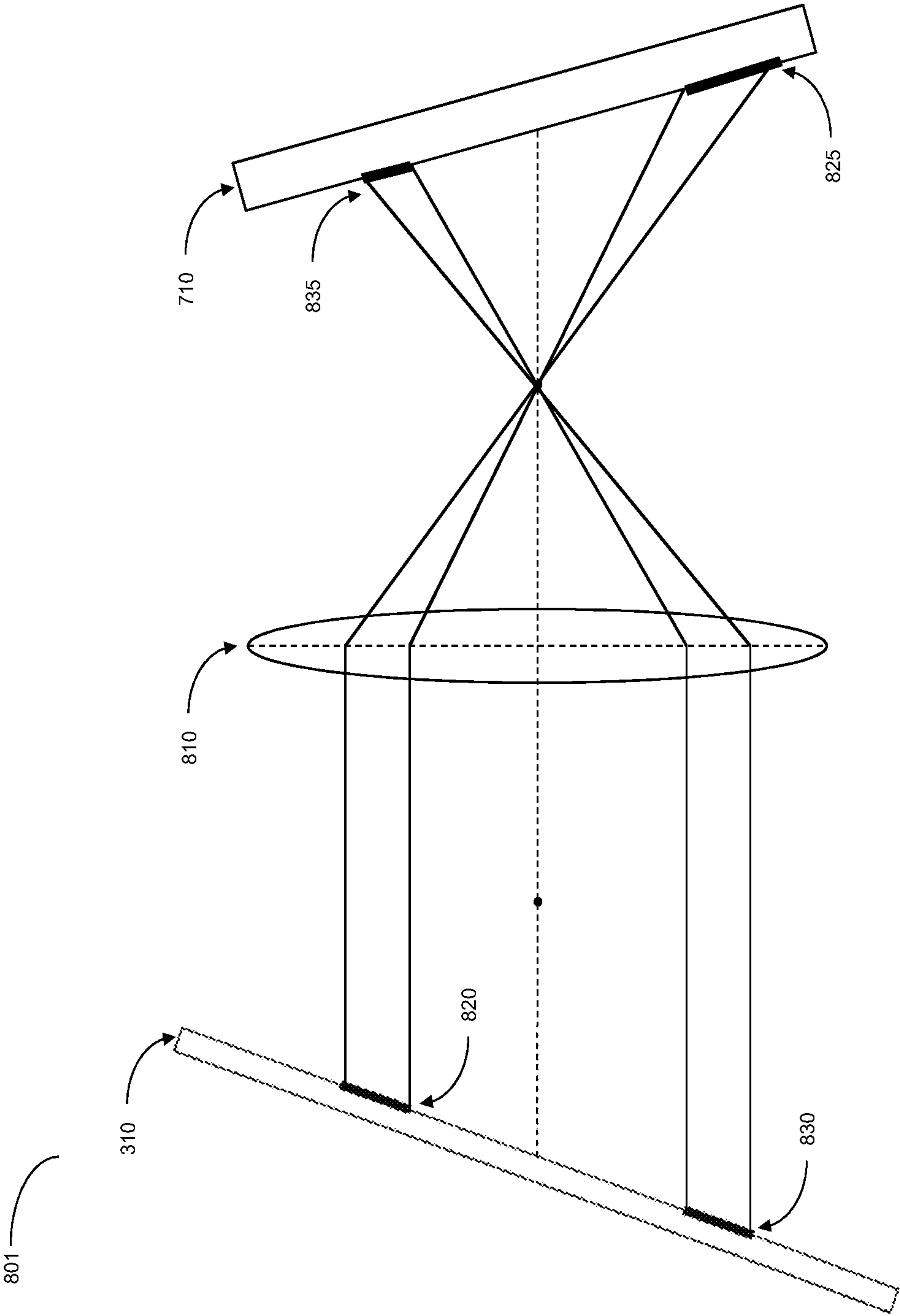


FIG. 10B

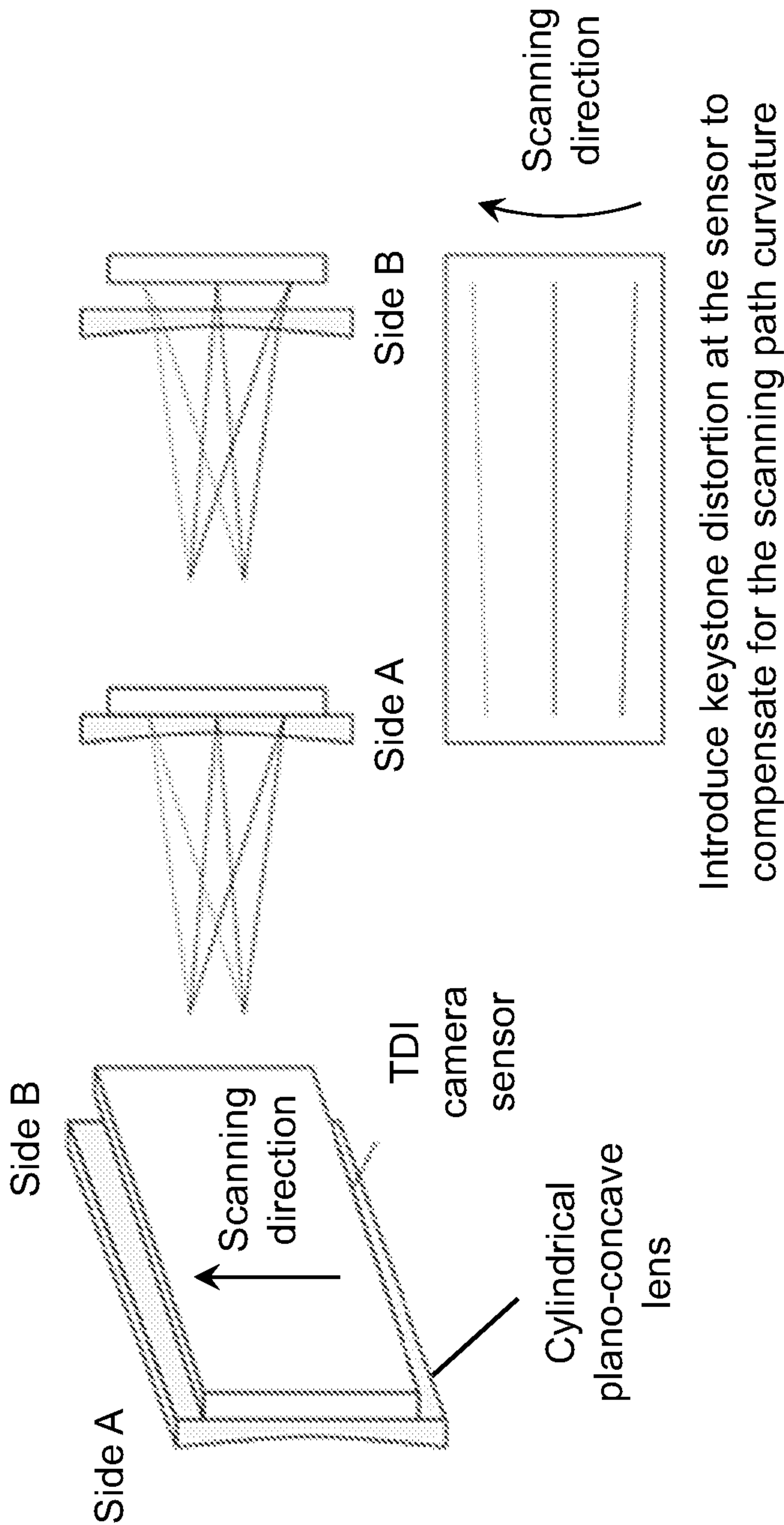


FIG. 10C

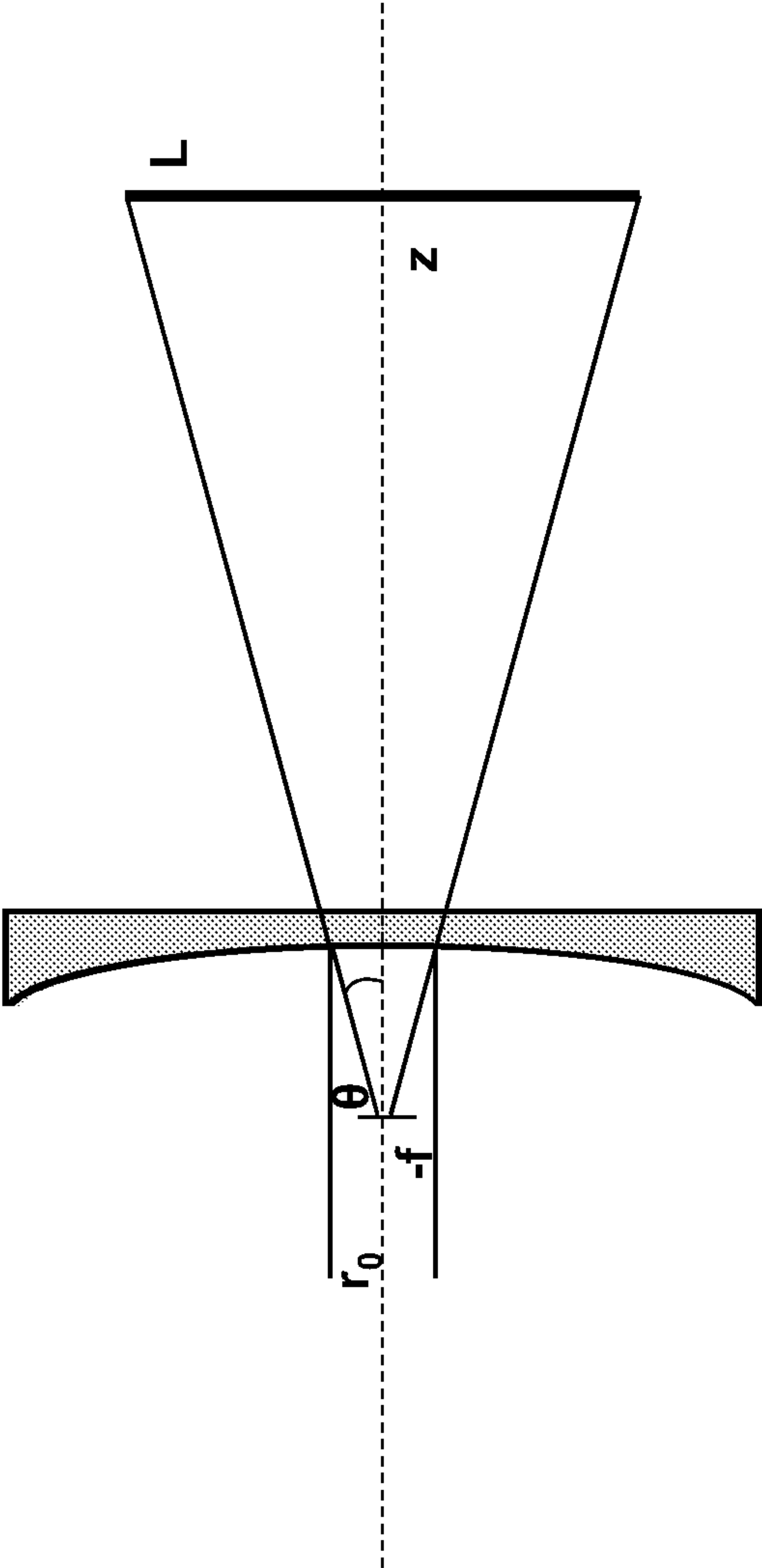


FIG. 11A

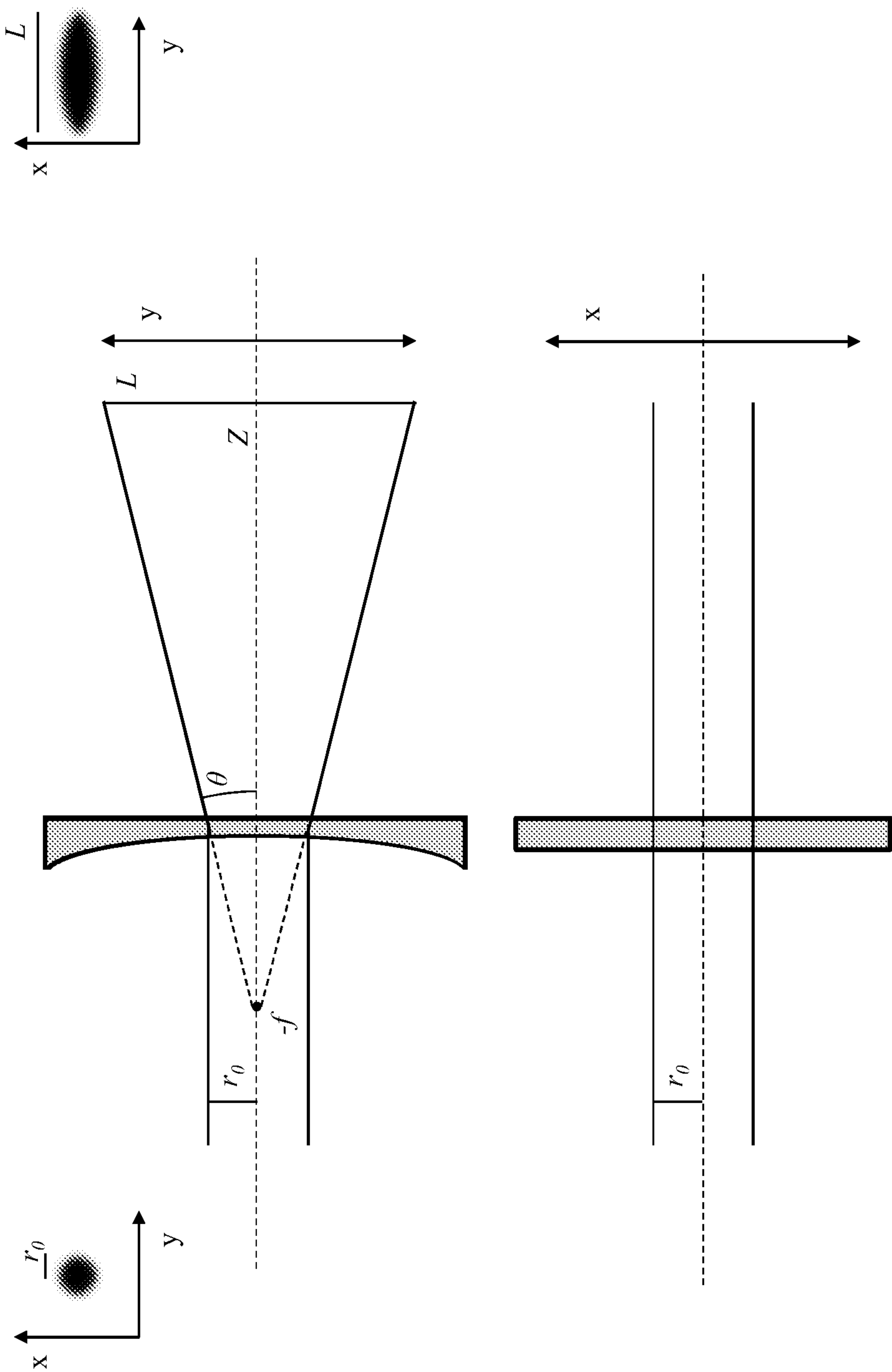


FIG. 11B

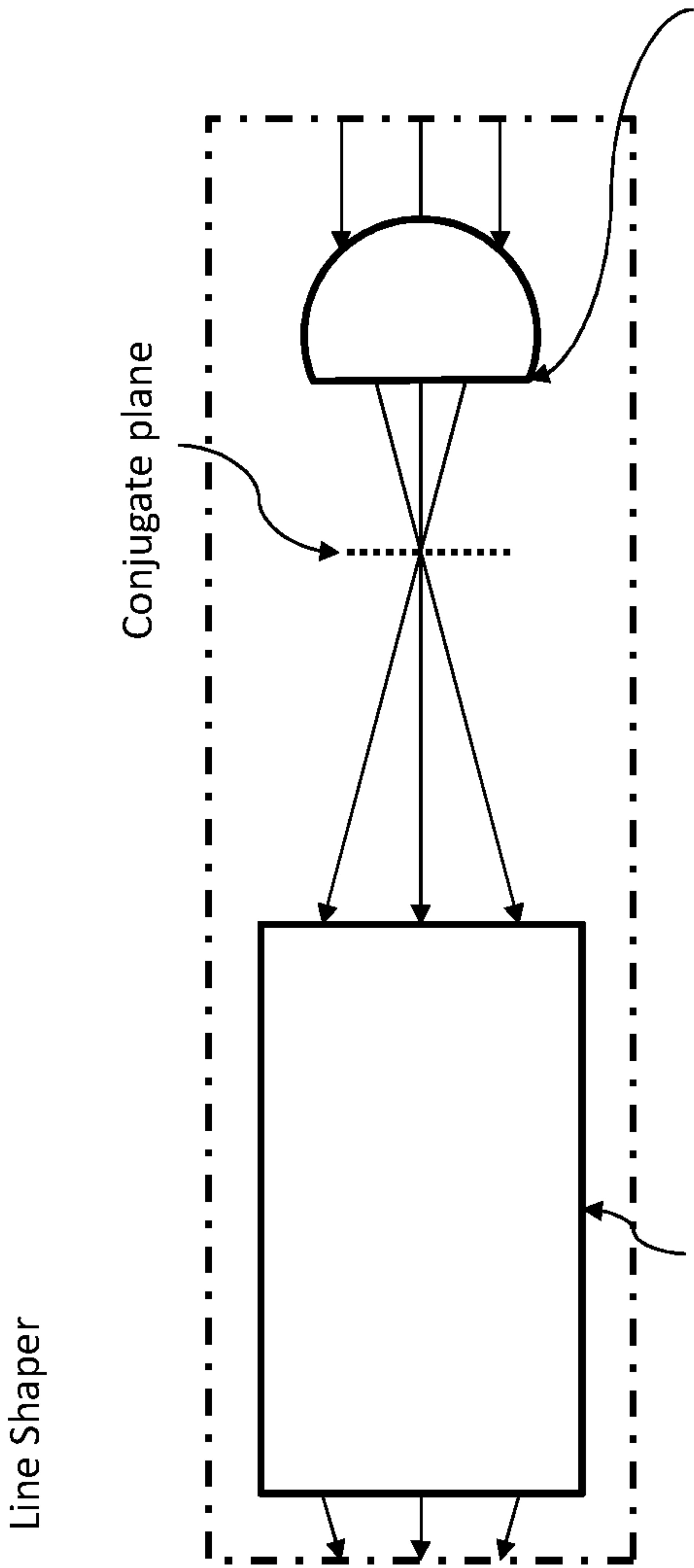


FIG. 11C

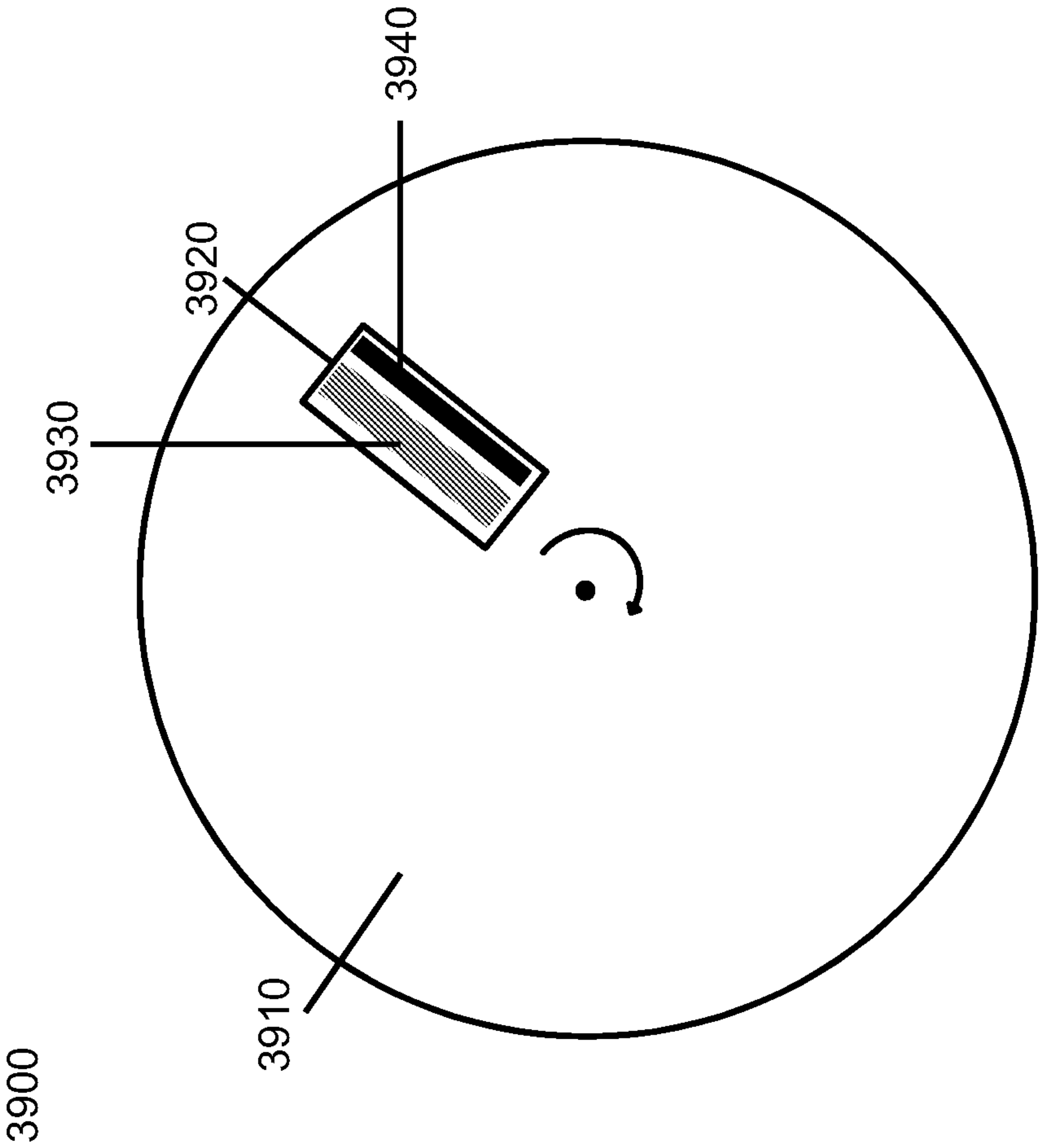


FIG. 12A

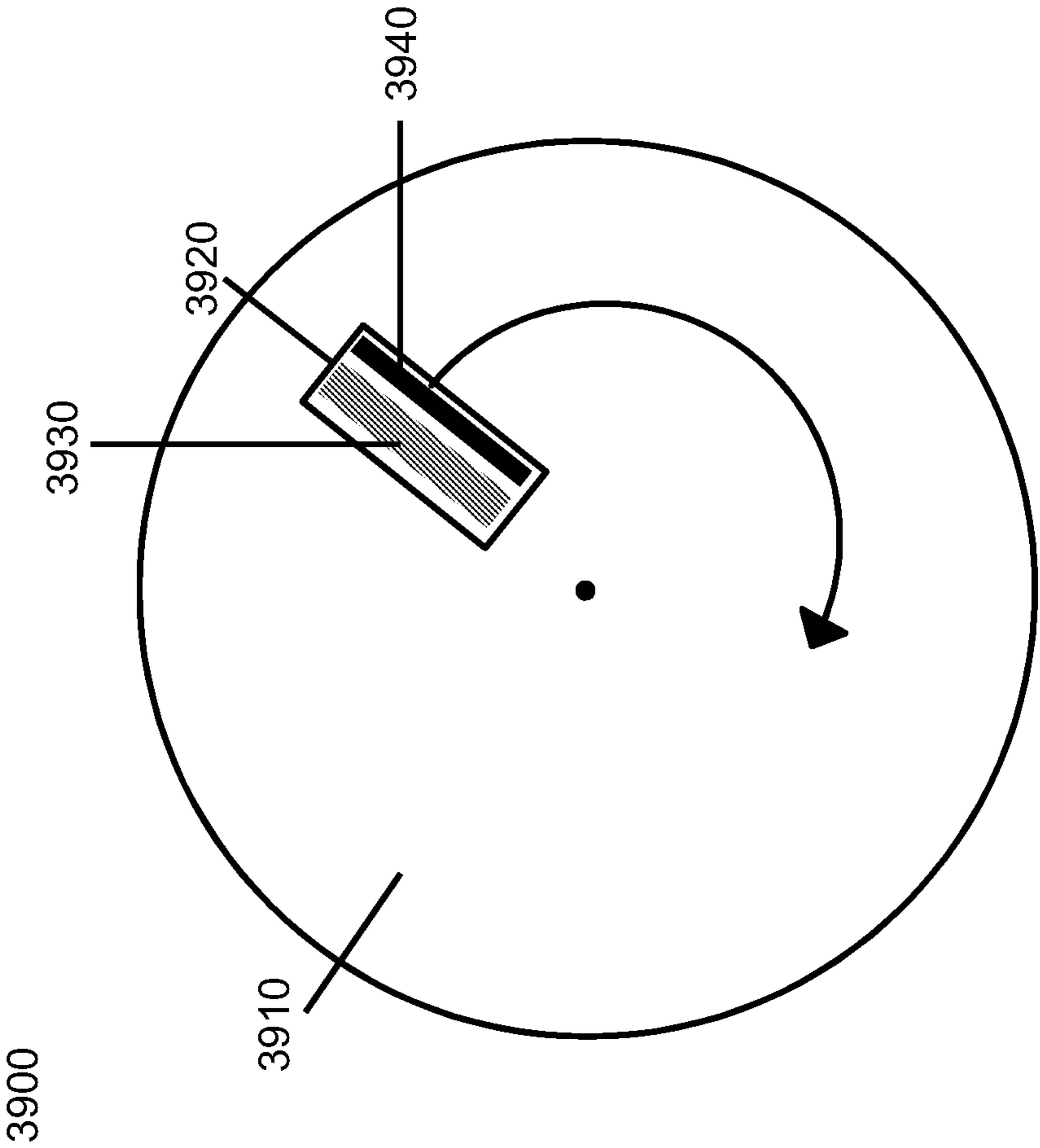


FIG. 12B

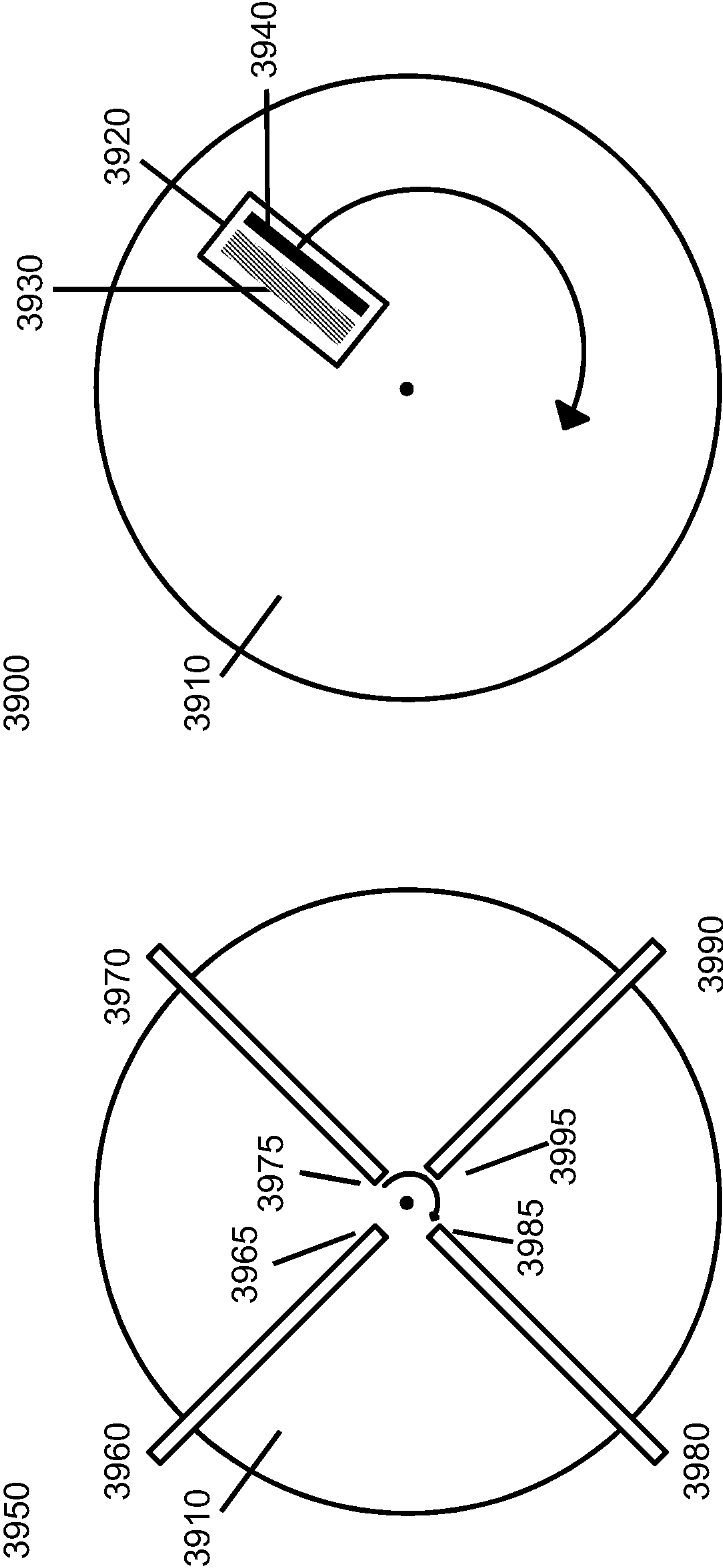


FIG. 12C

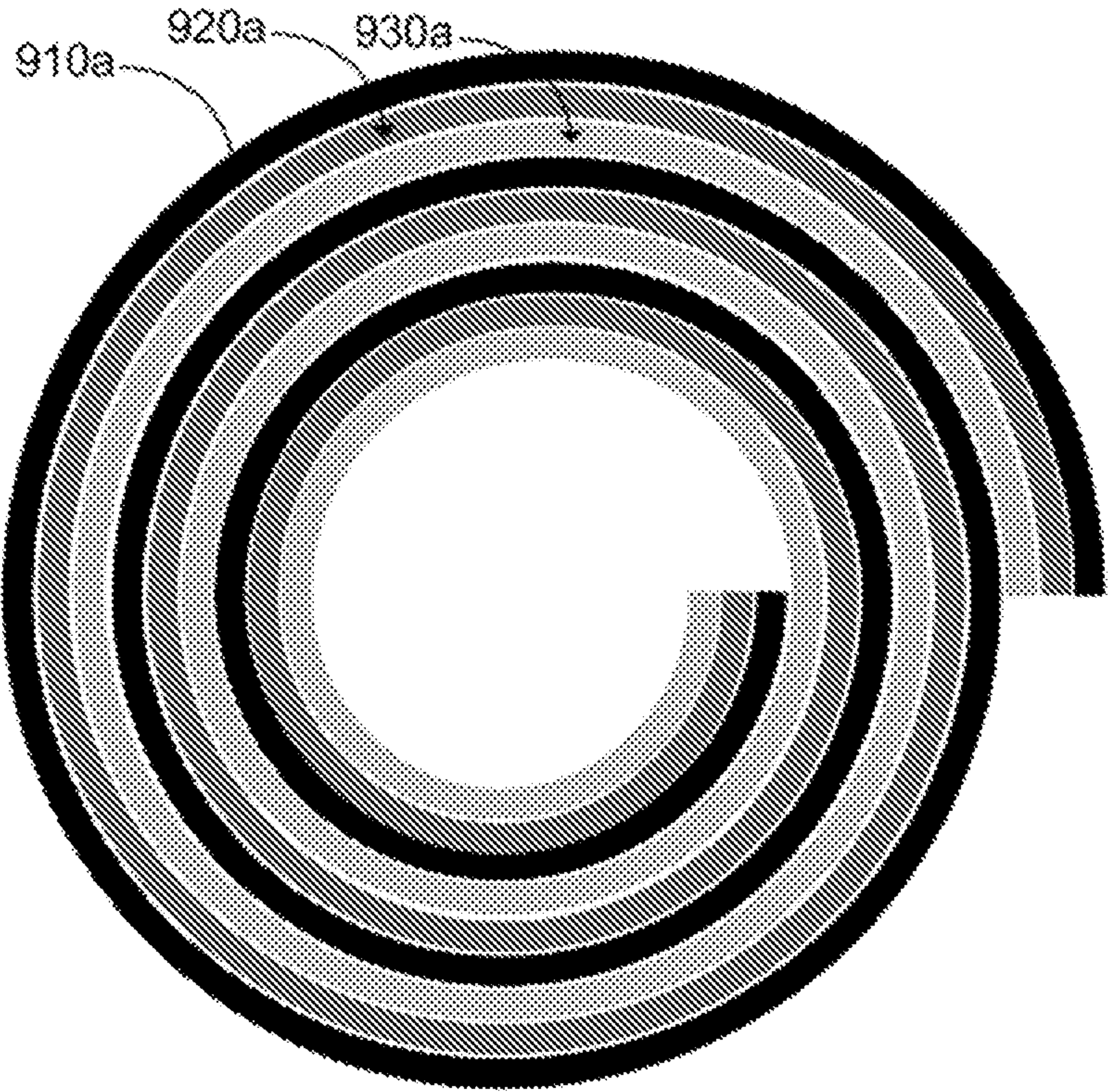


FIG. 13A

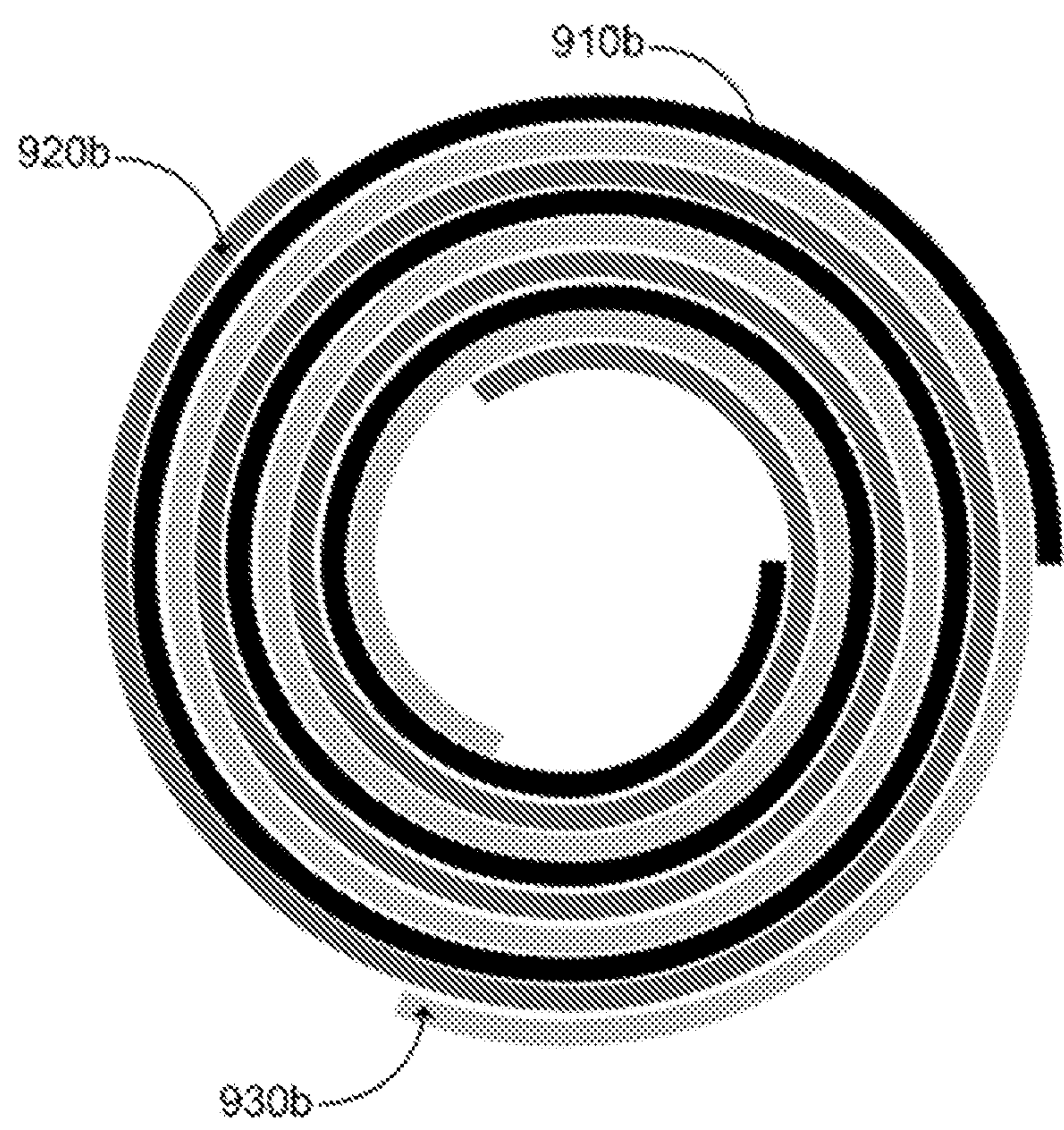


FIG. 13B

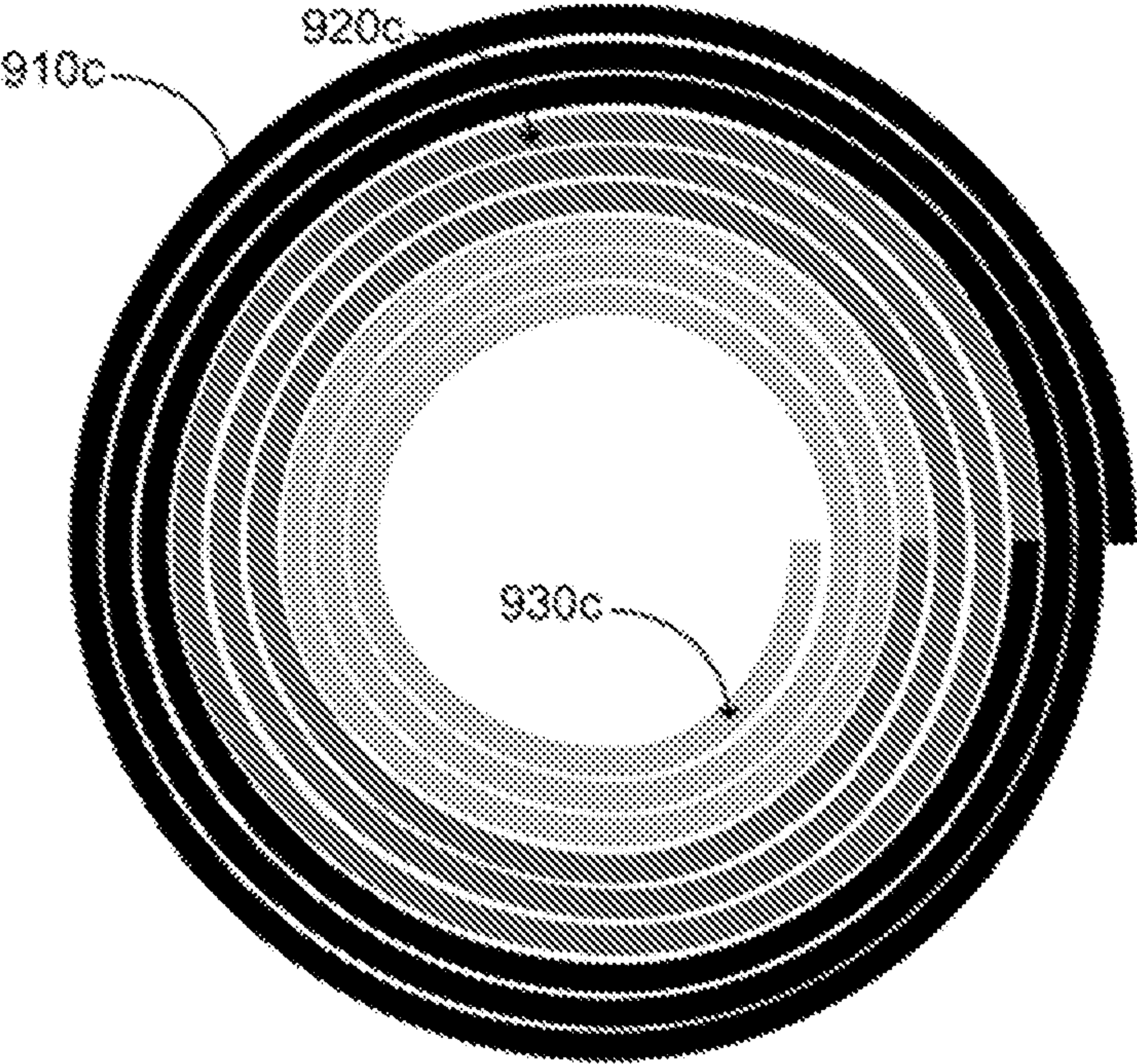


FIG. 13C

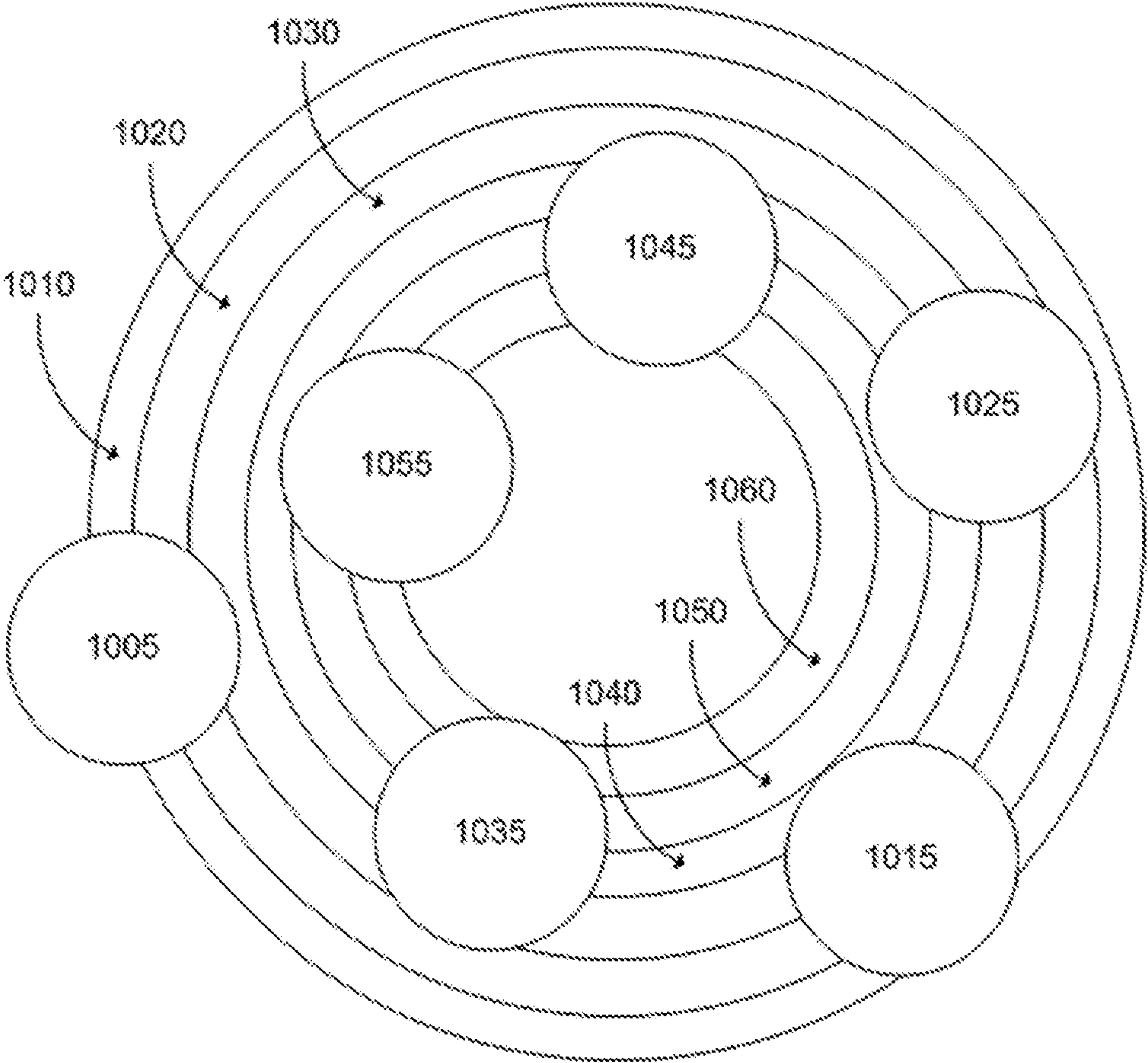


FIG. 14

1110

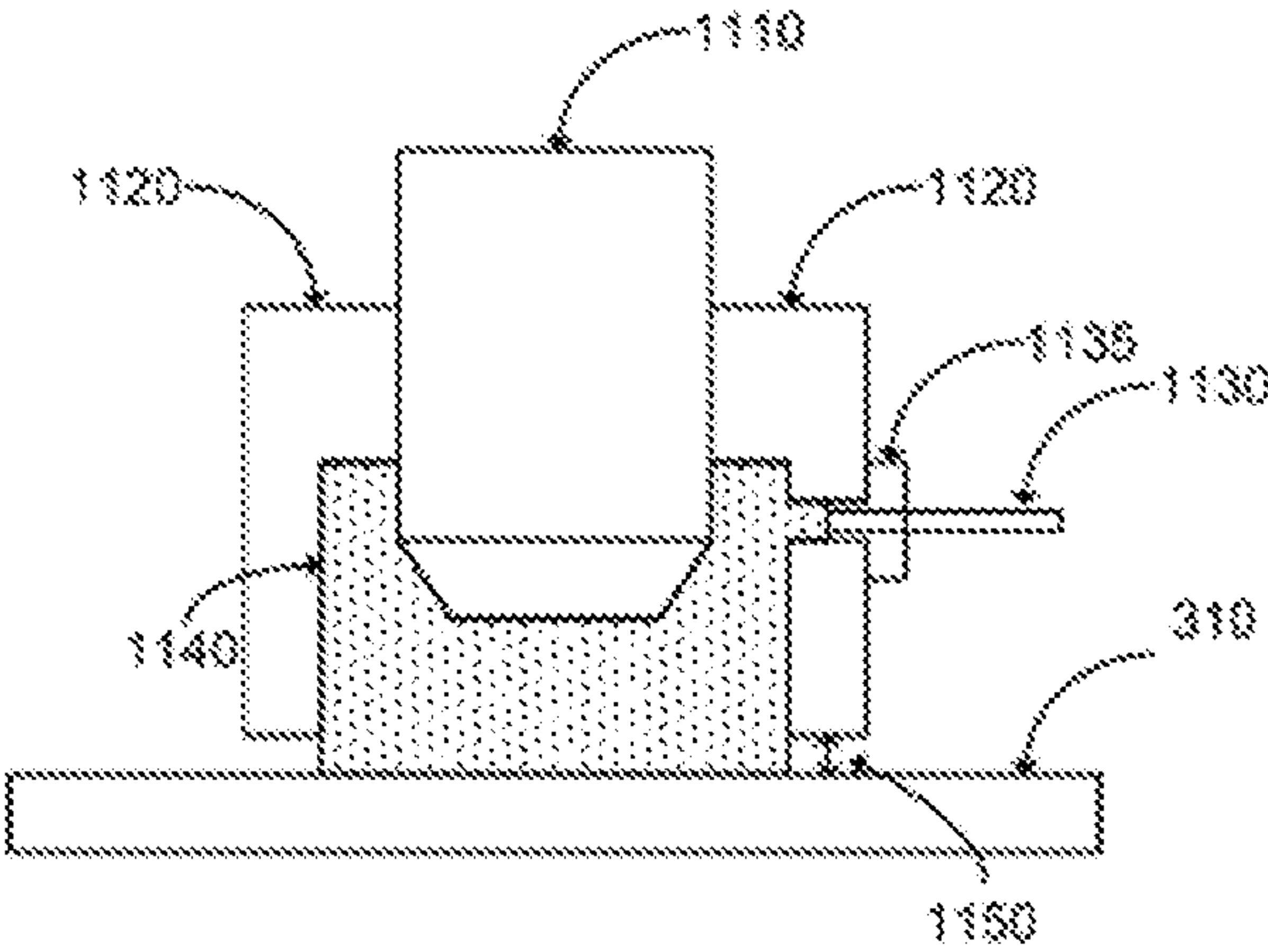


FIG. 15

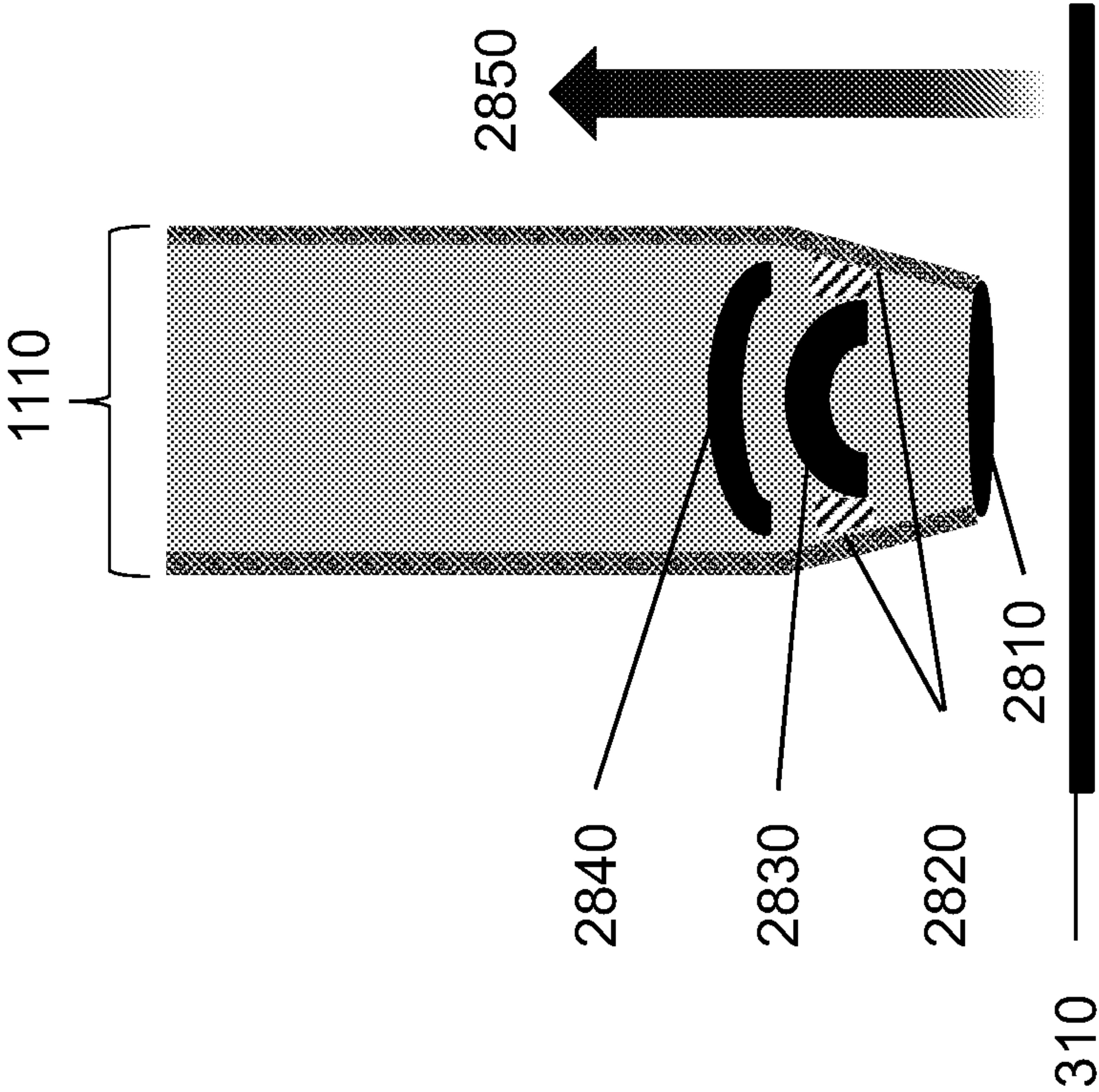


FIG. 16

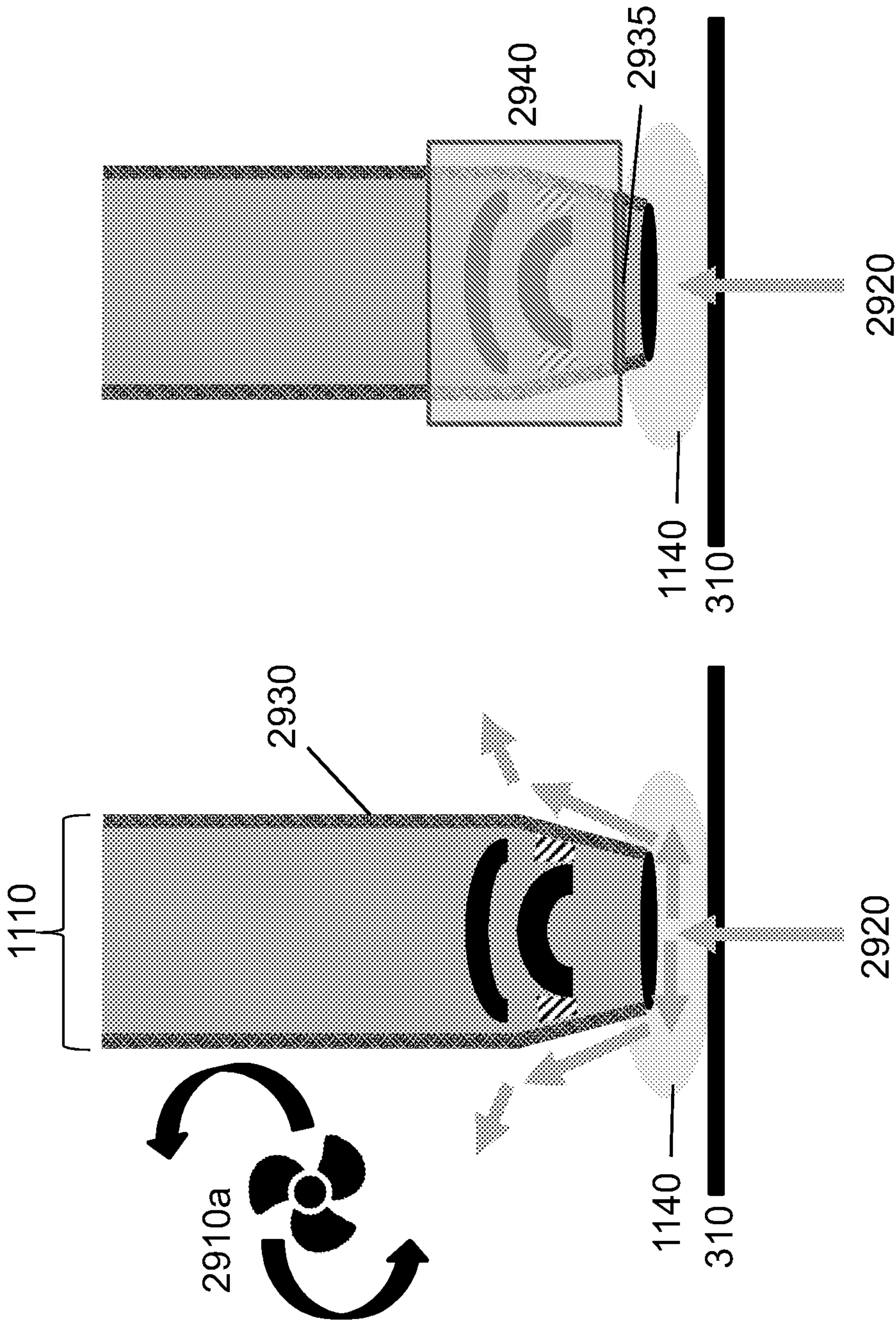


FIG. 17B

FIG. 17A

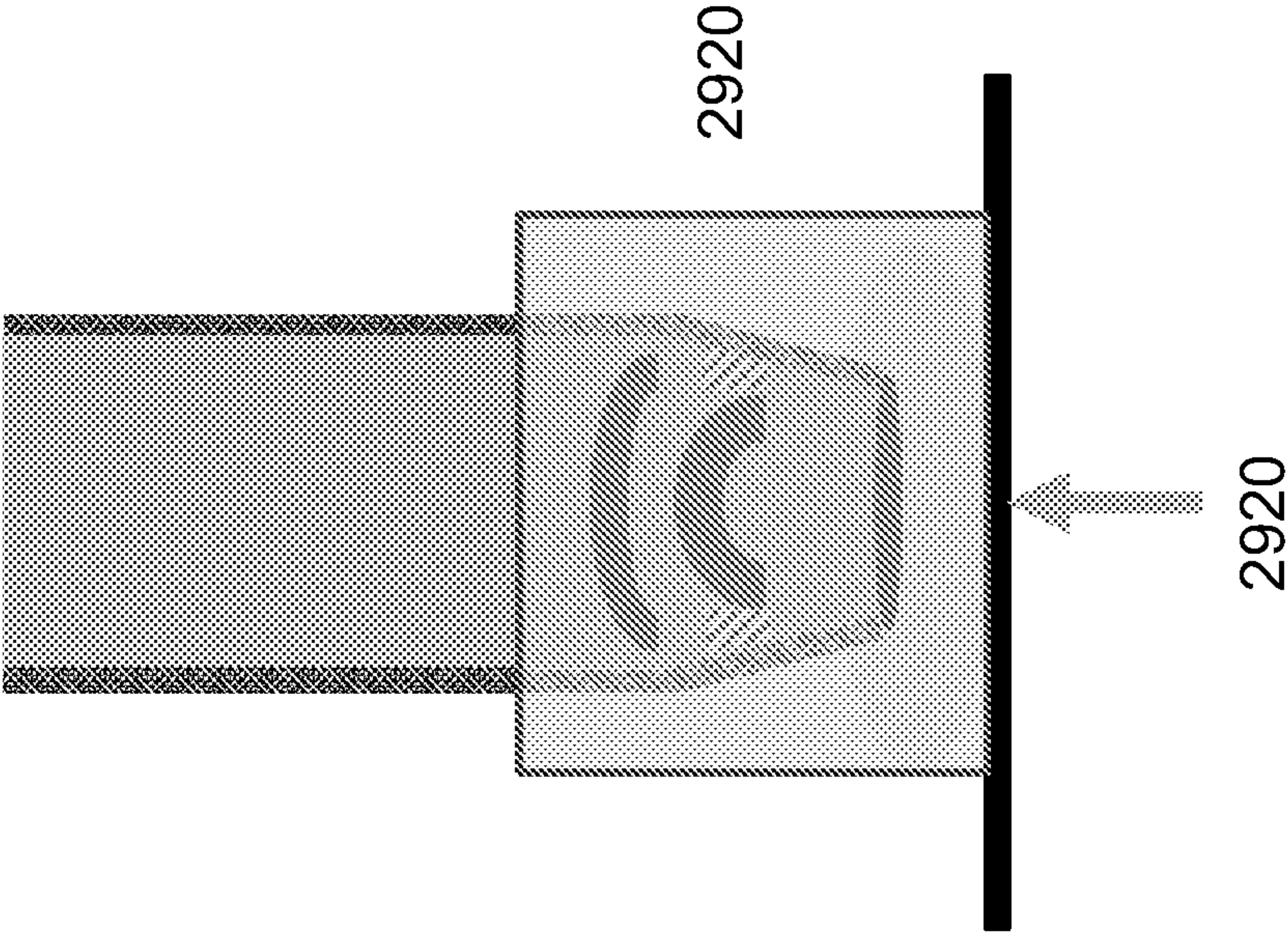


FIG. 17D

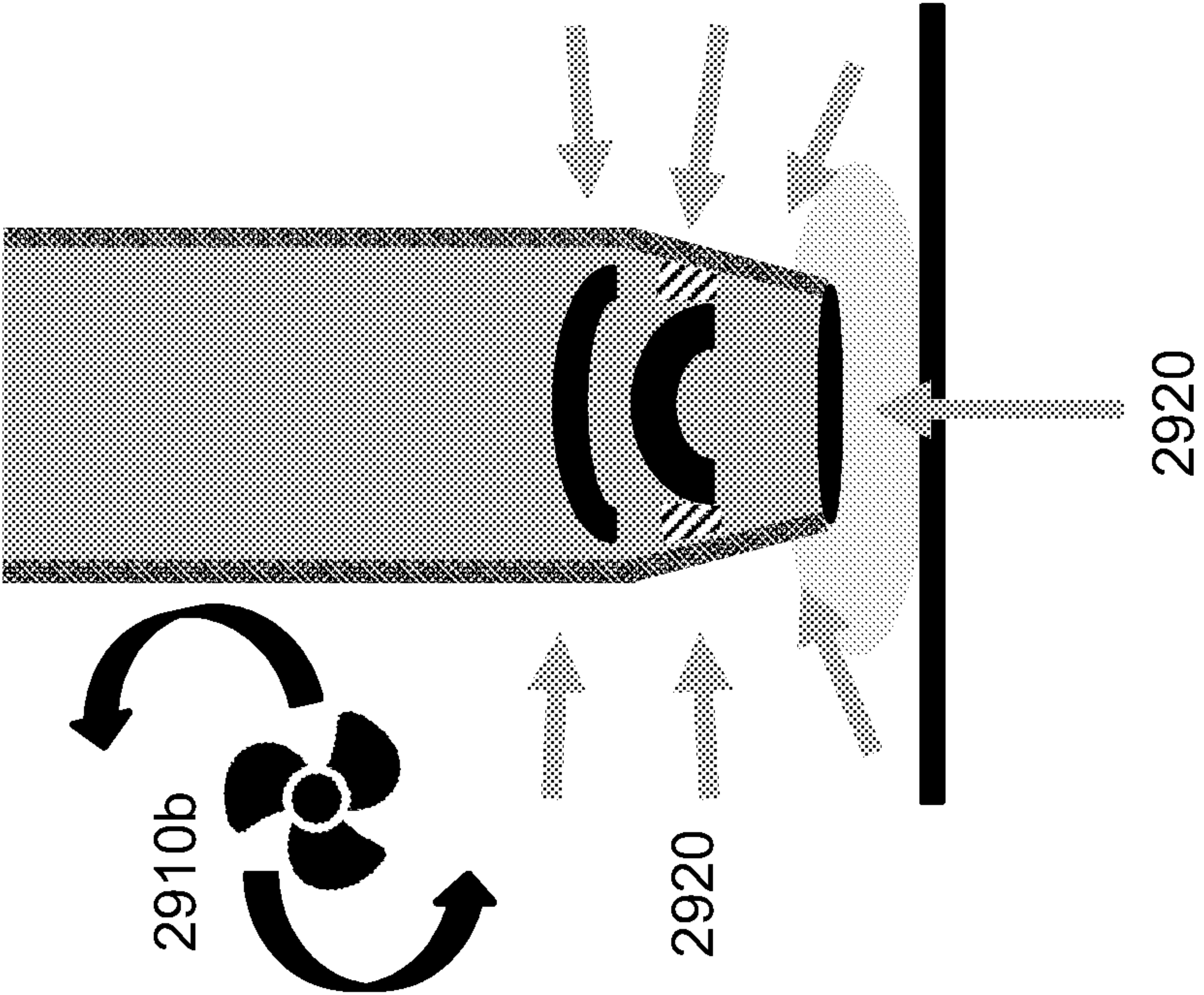


FIG. 17C

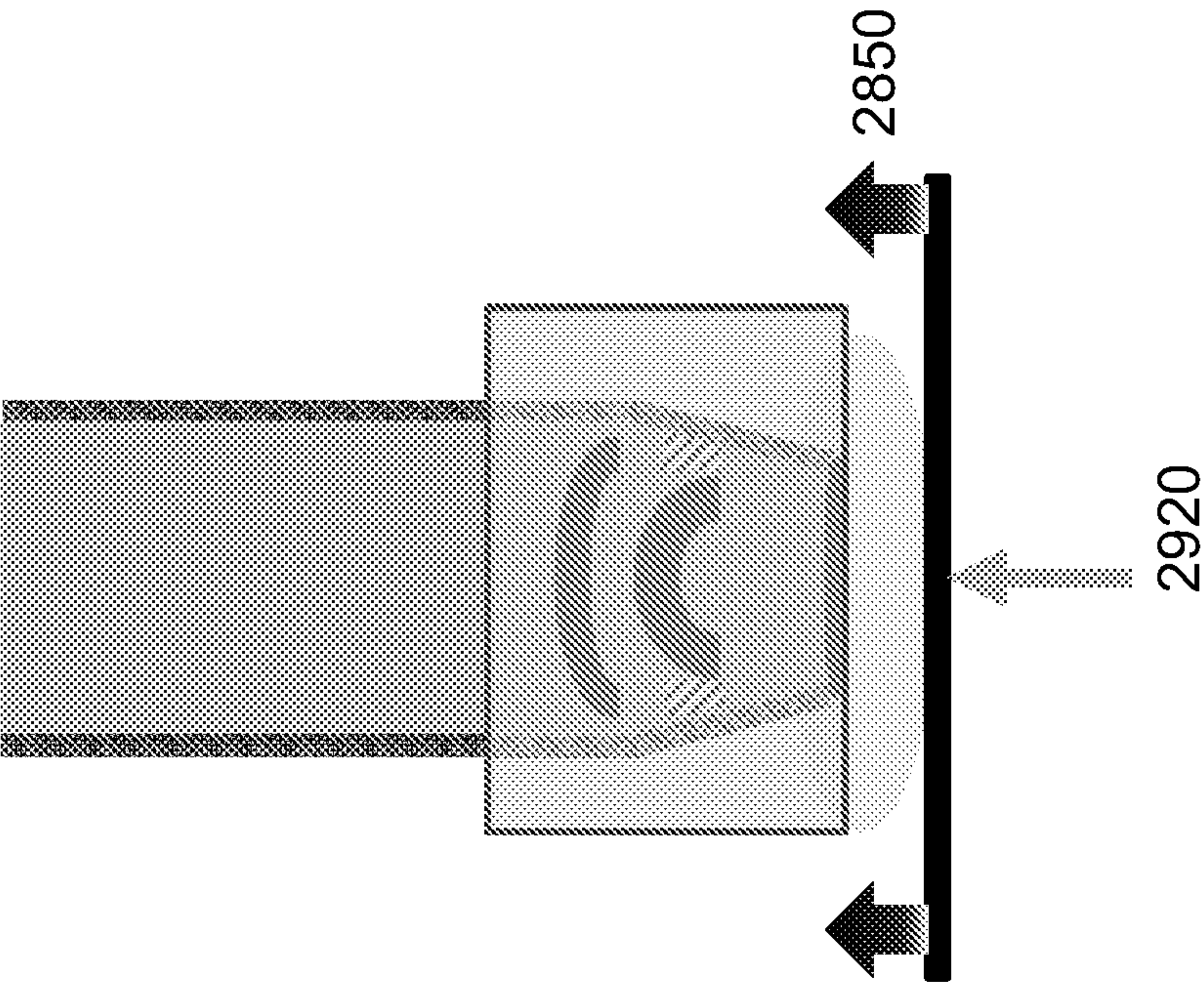


FIG. 17E

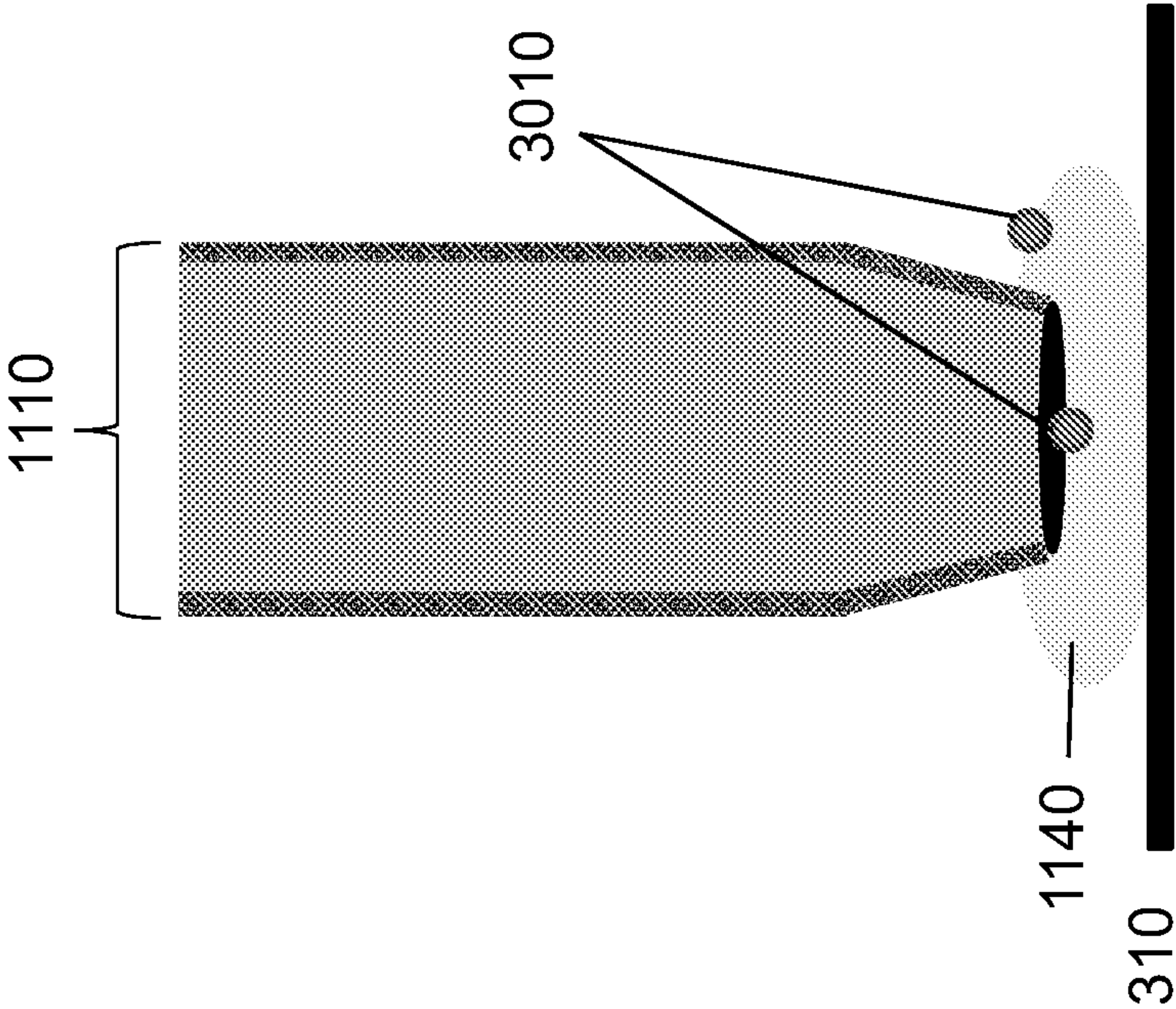


FIG. 18

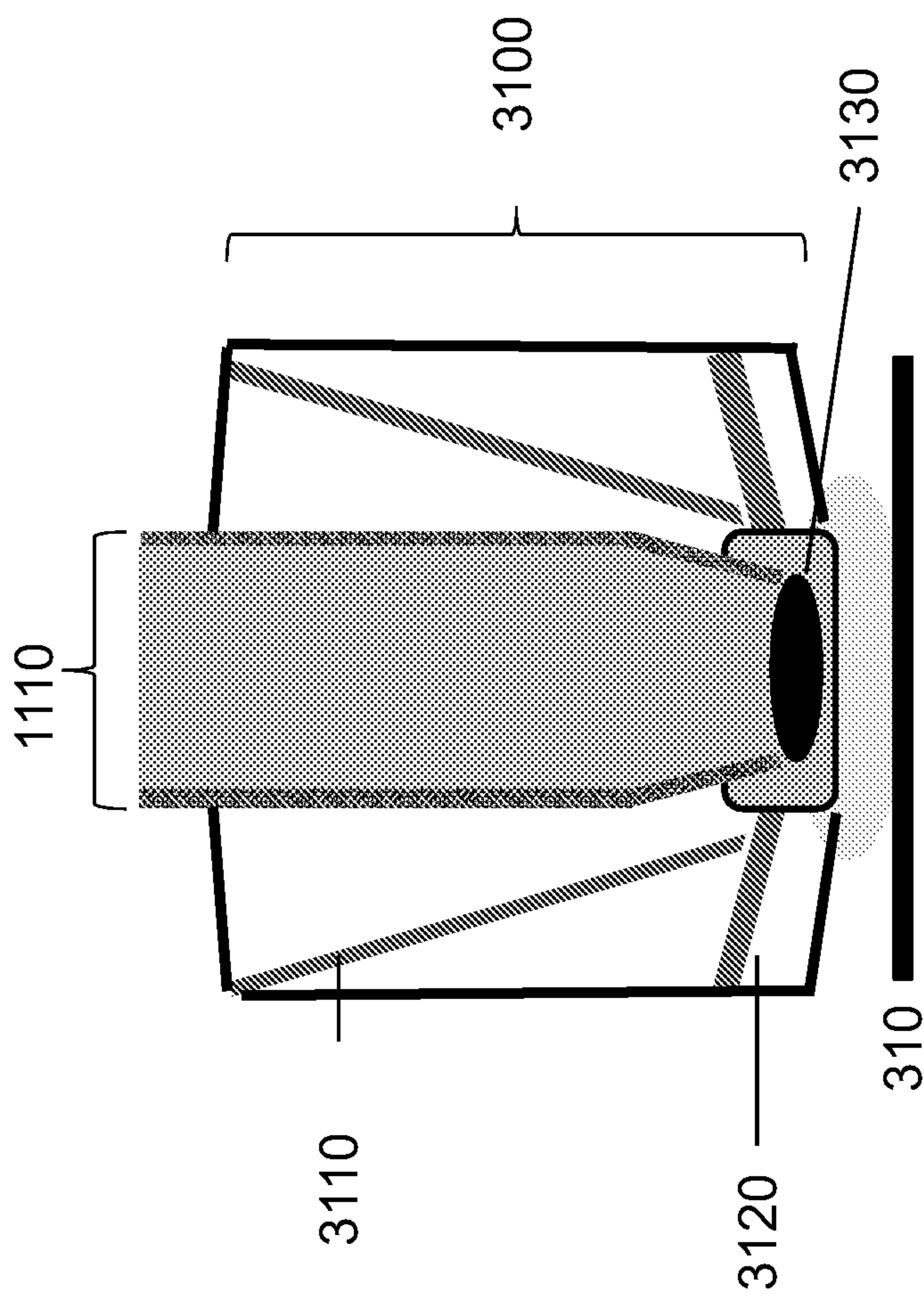


FIG. 19

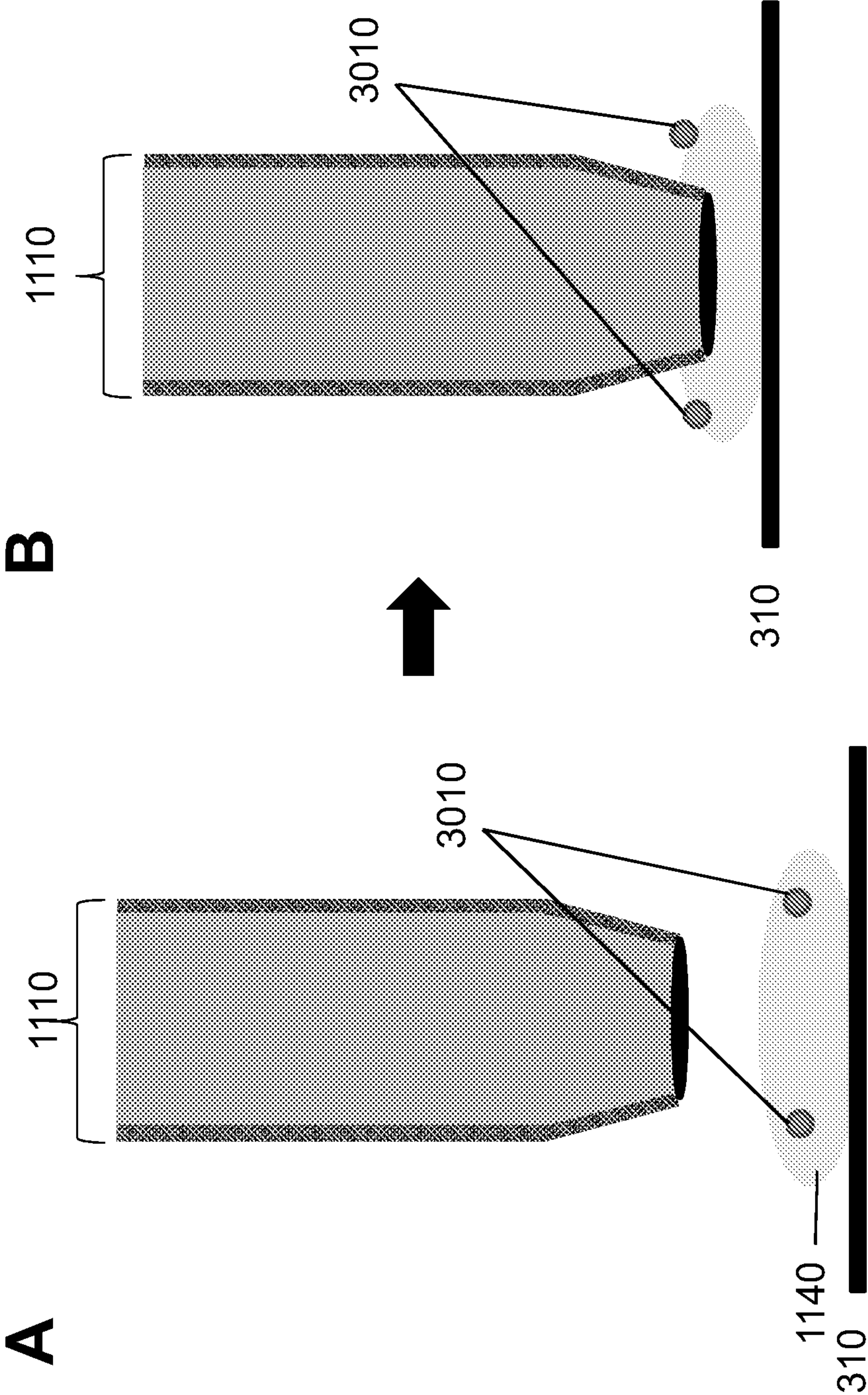


FIG. 20B

FIG. 20A

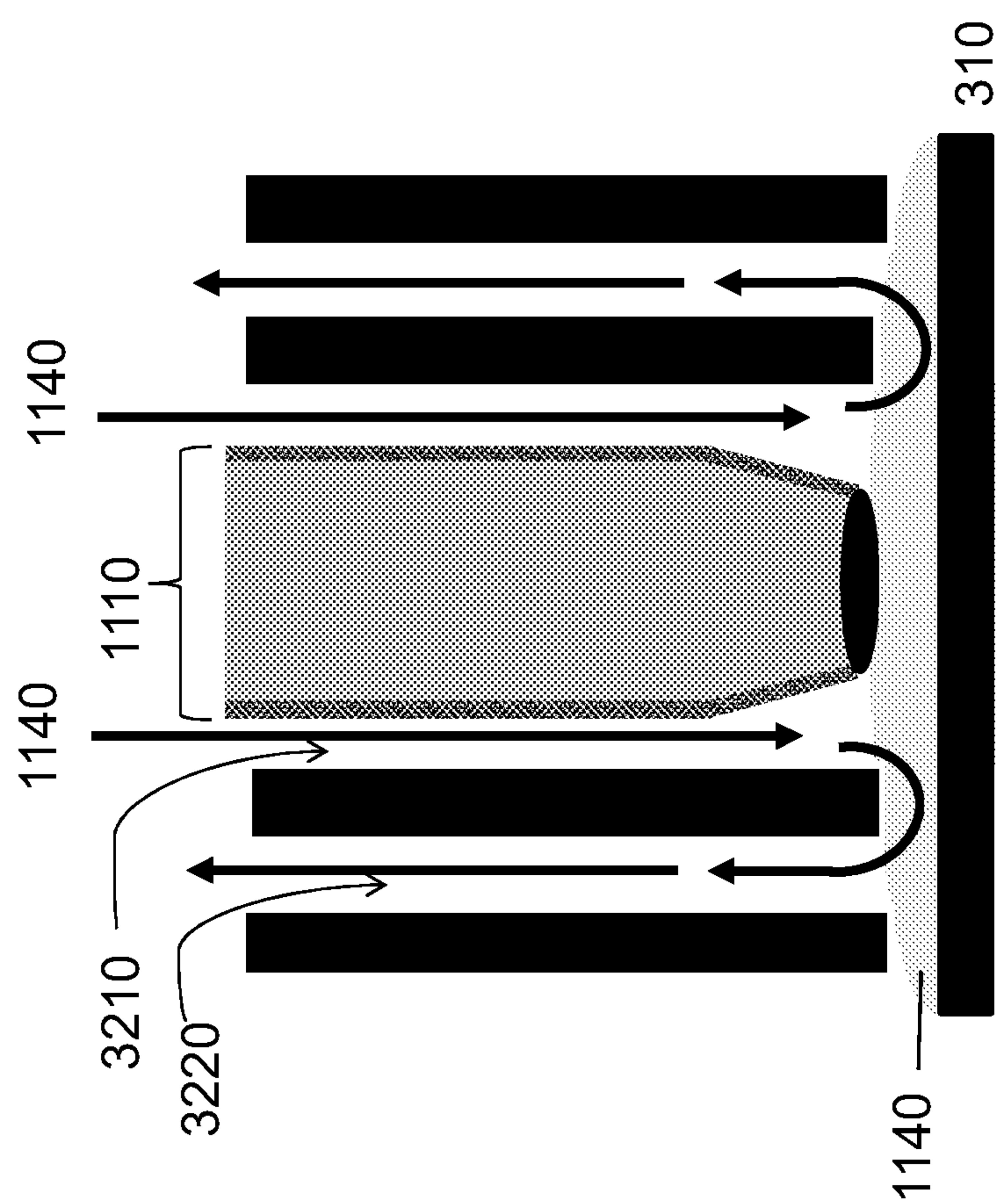


FIG. 21

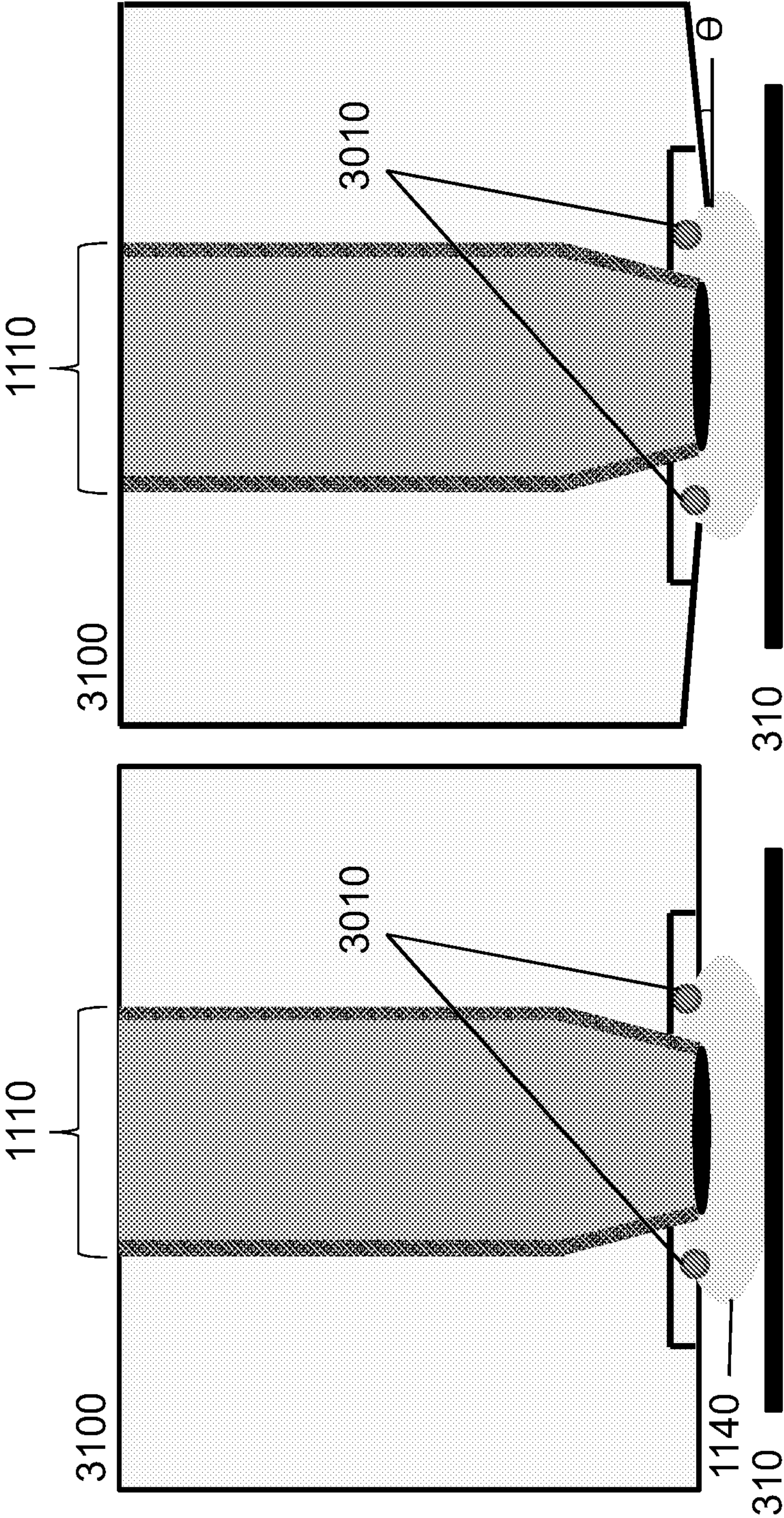


FIG. 22A

FIG. 22B

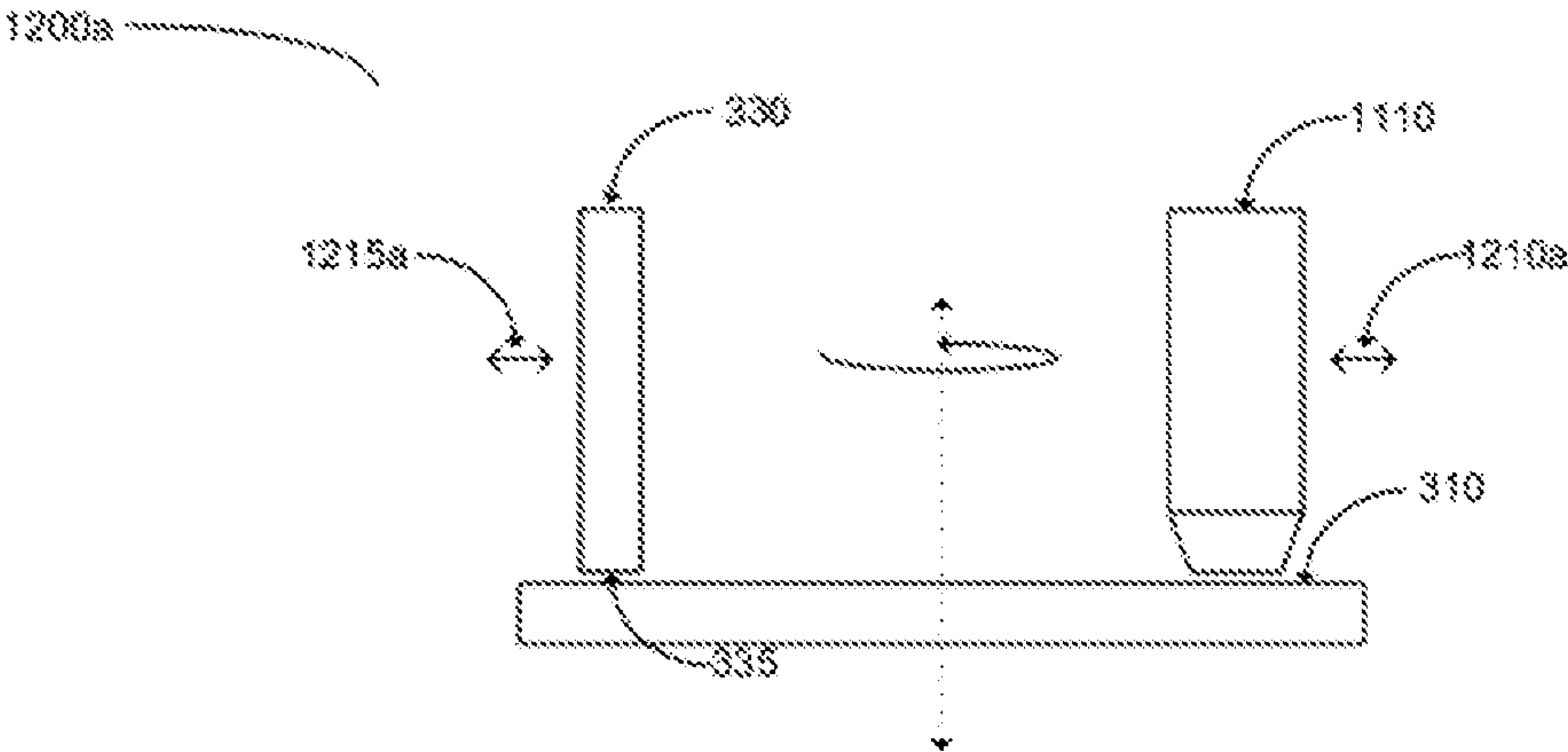


FIG. 23A

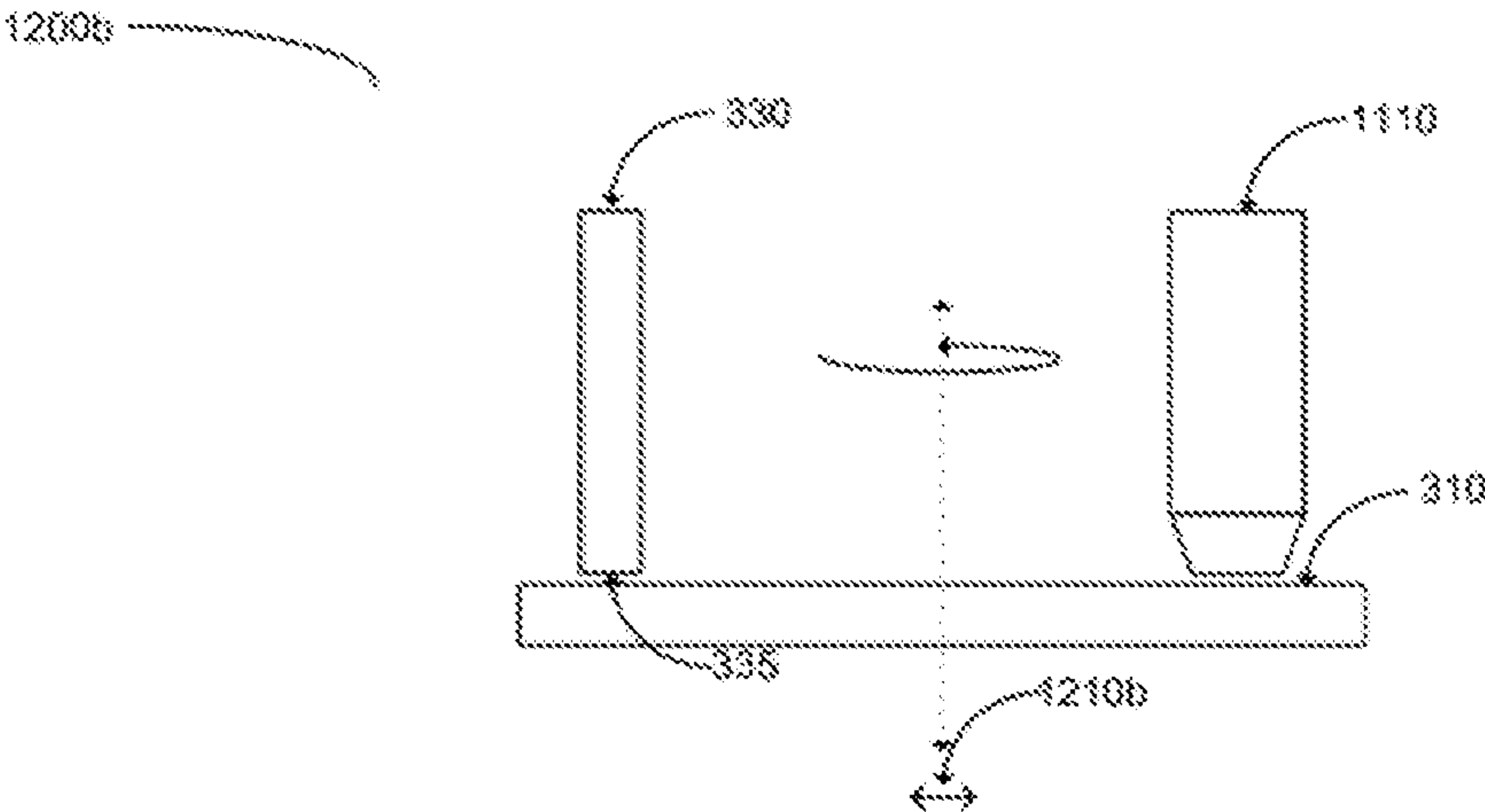


FIG. 23B

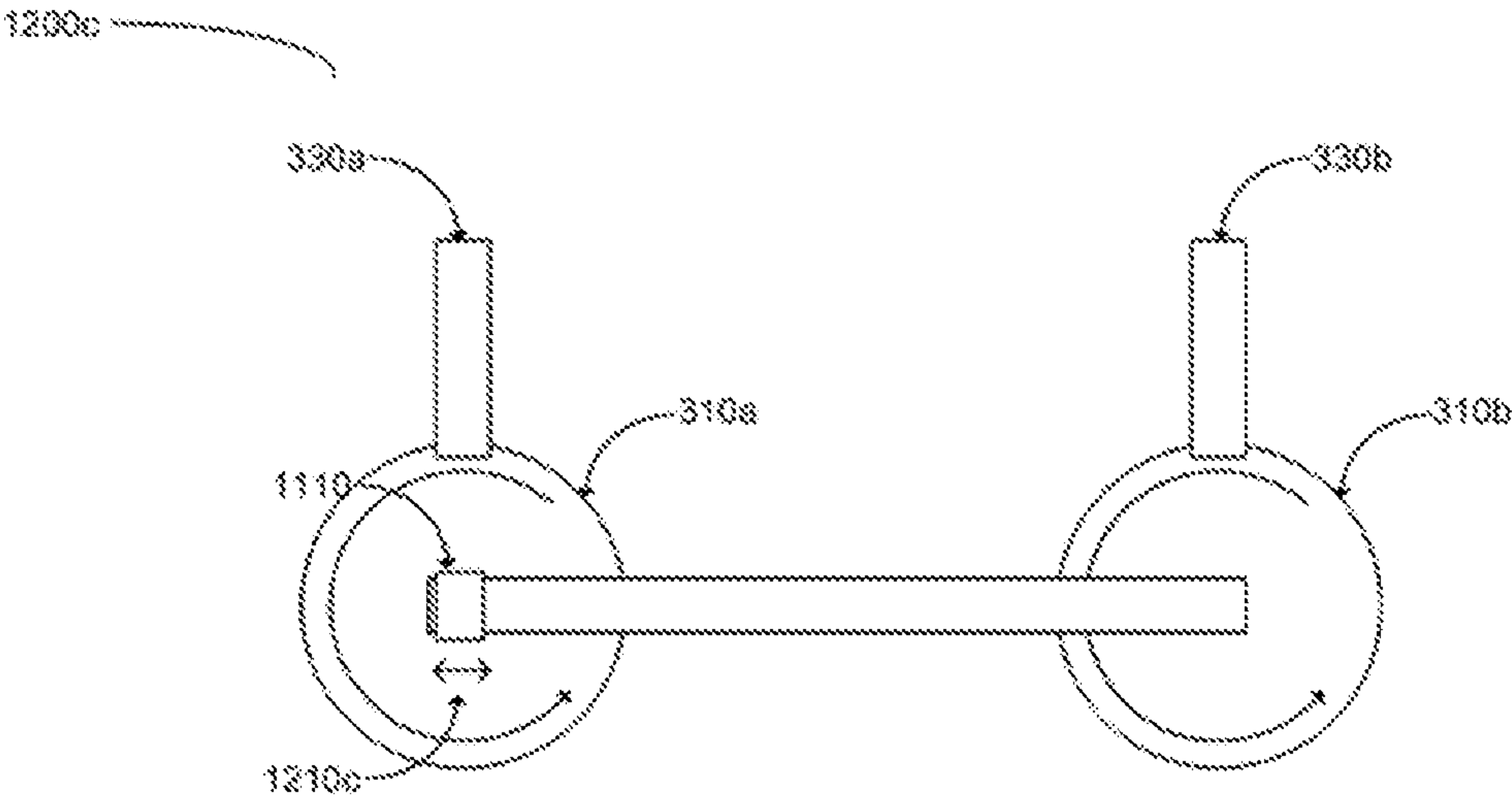


FIG. 23C

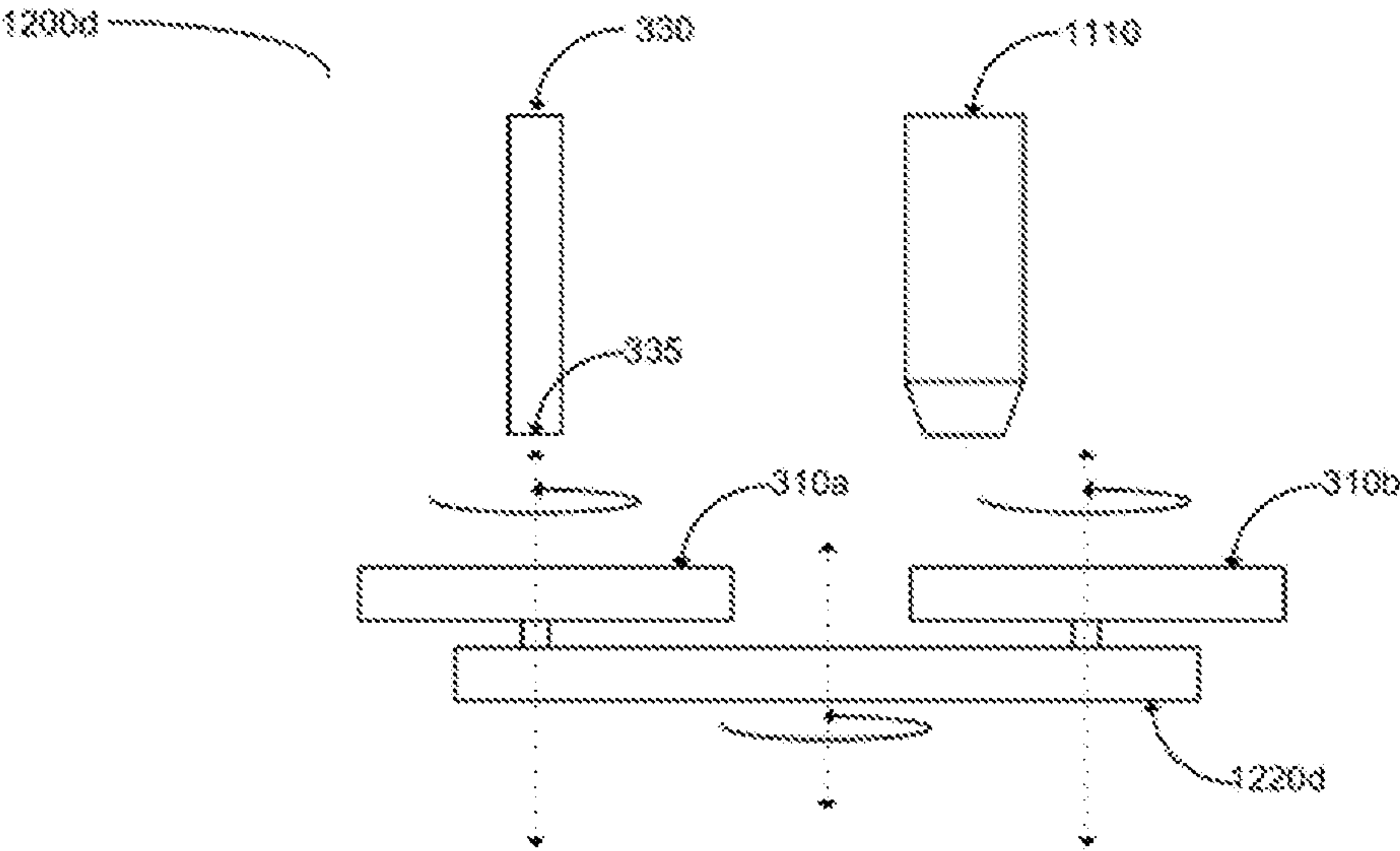


FIG. 23D

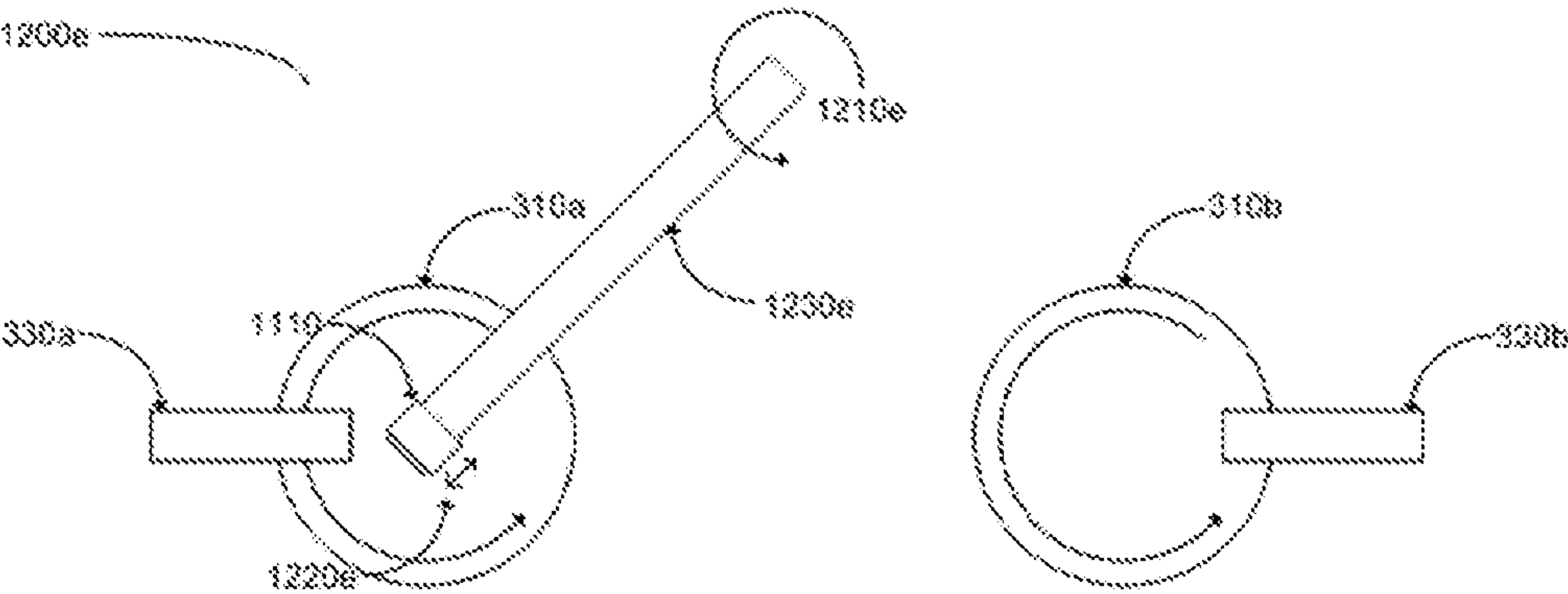


FIG. 23E

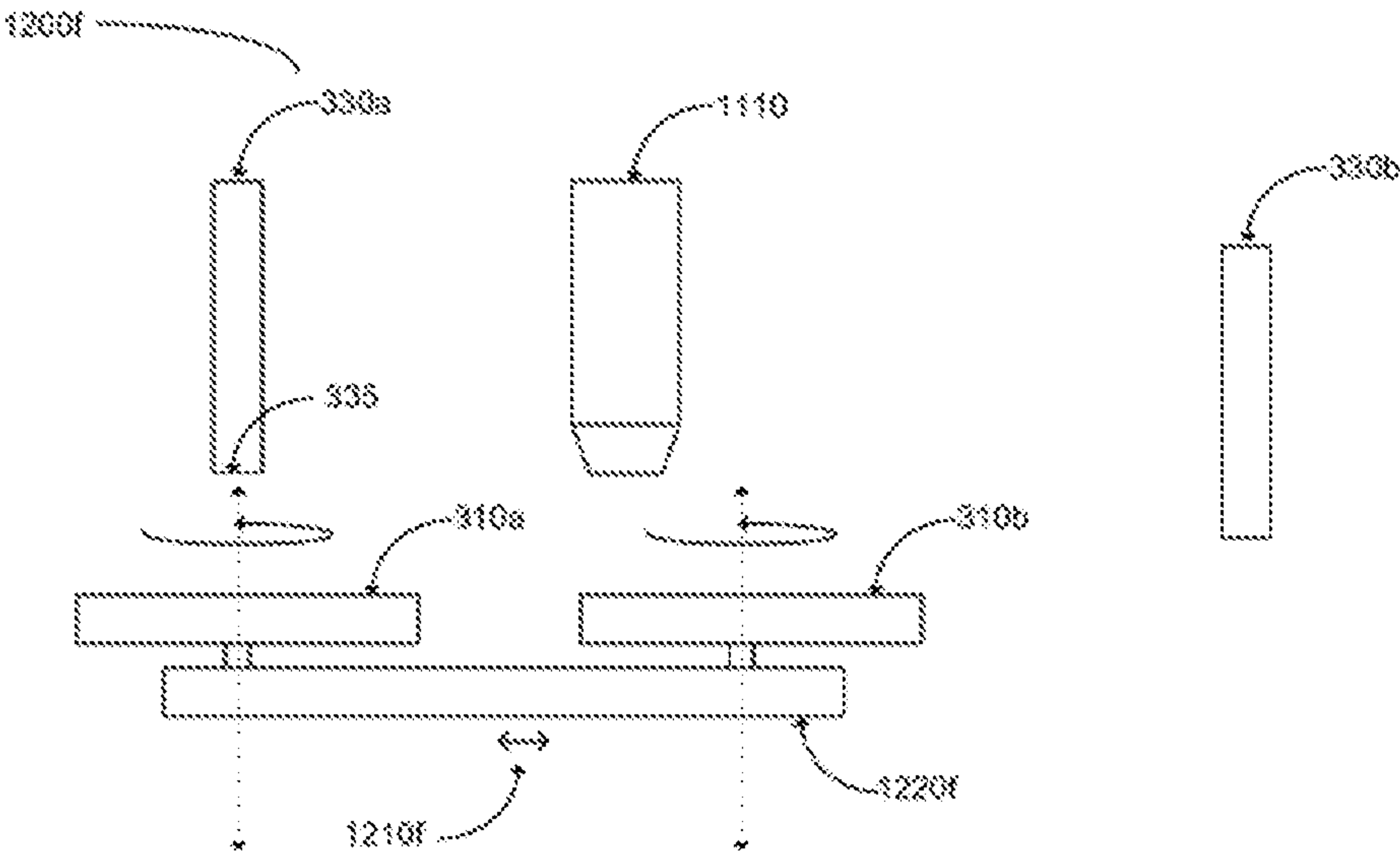


FIG. 23F

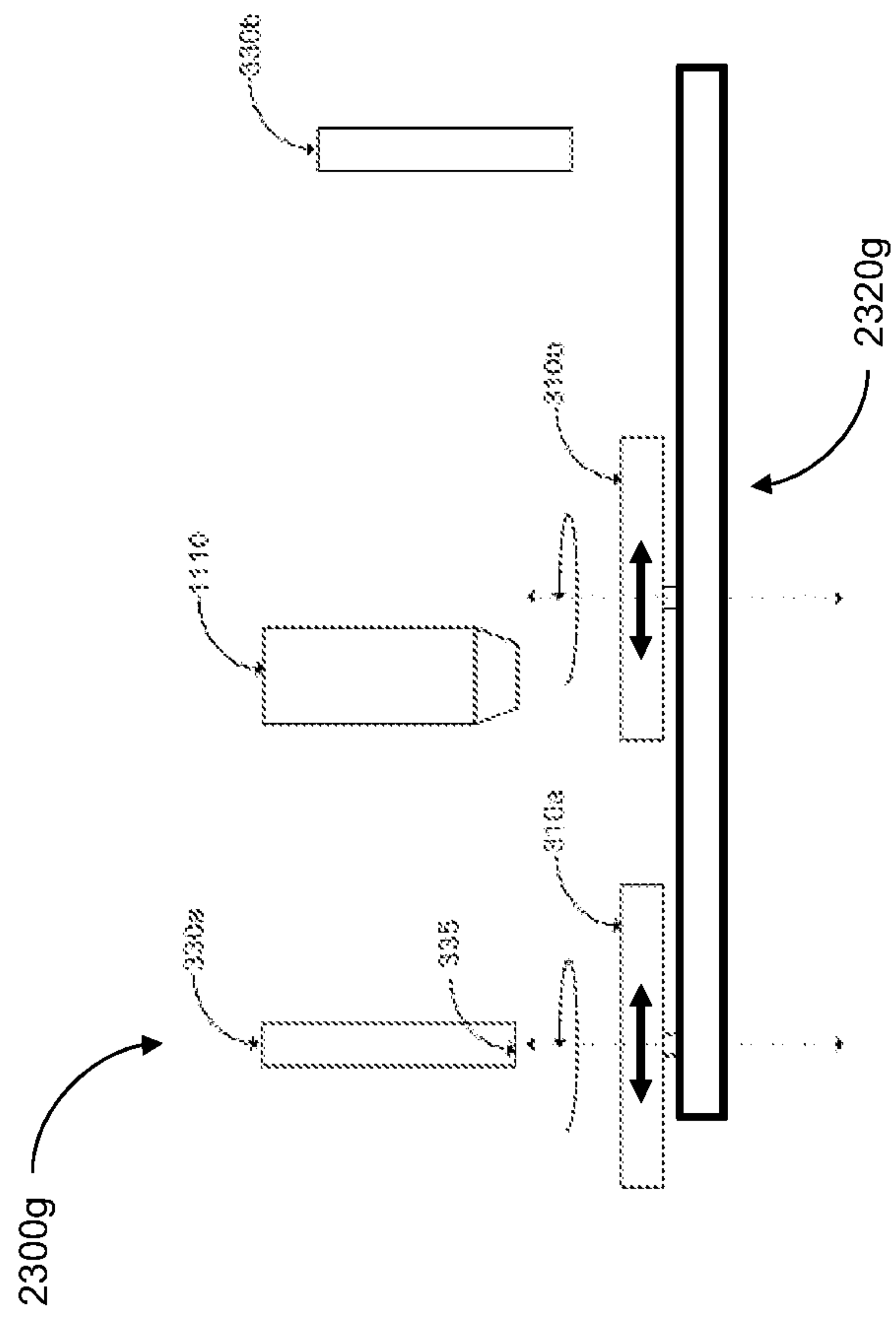


FIG. 23G

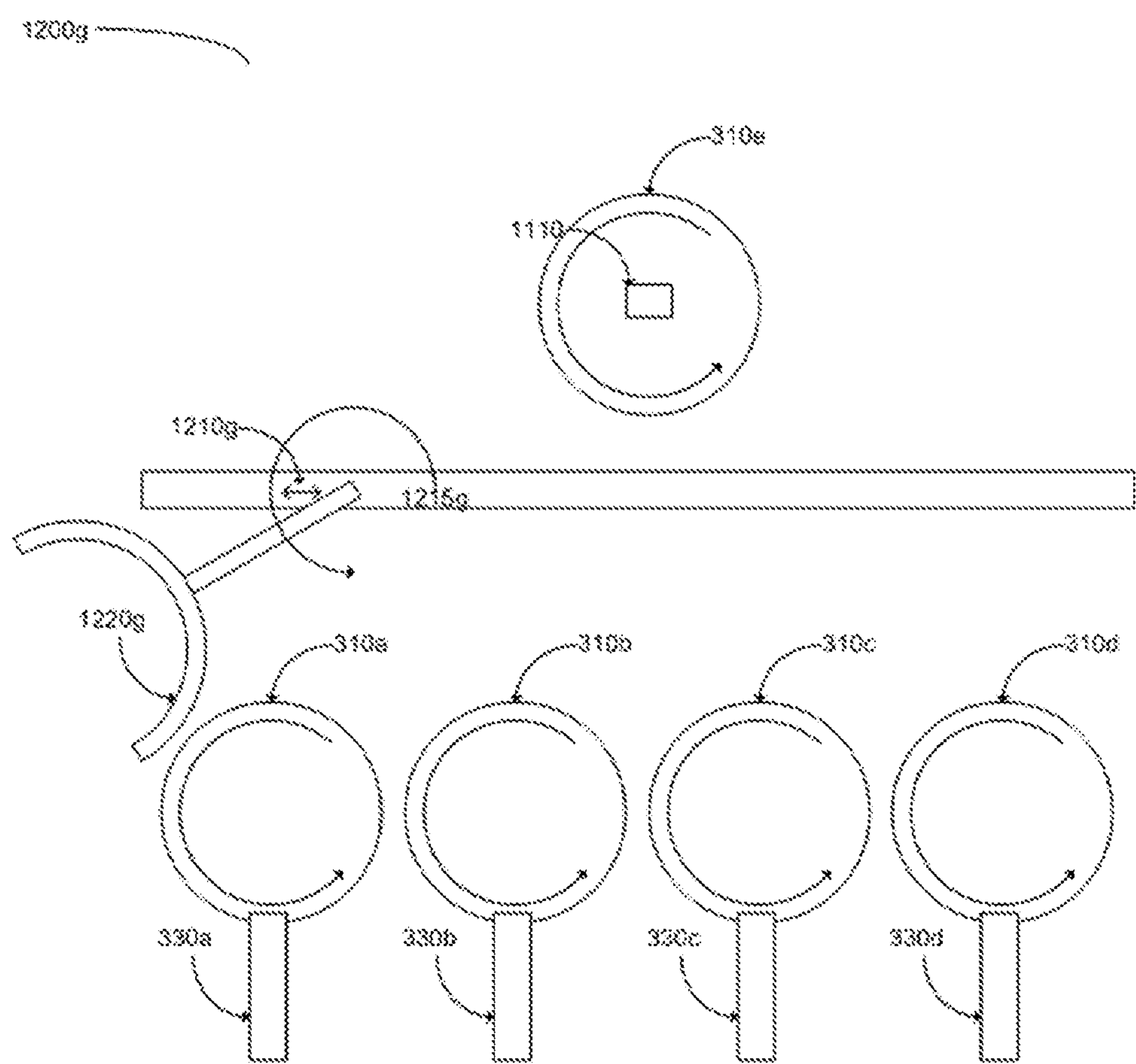


FIG. 23H

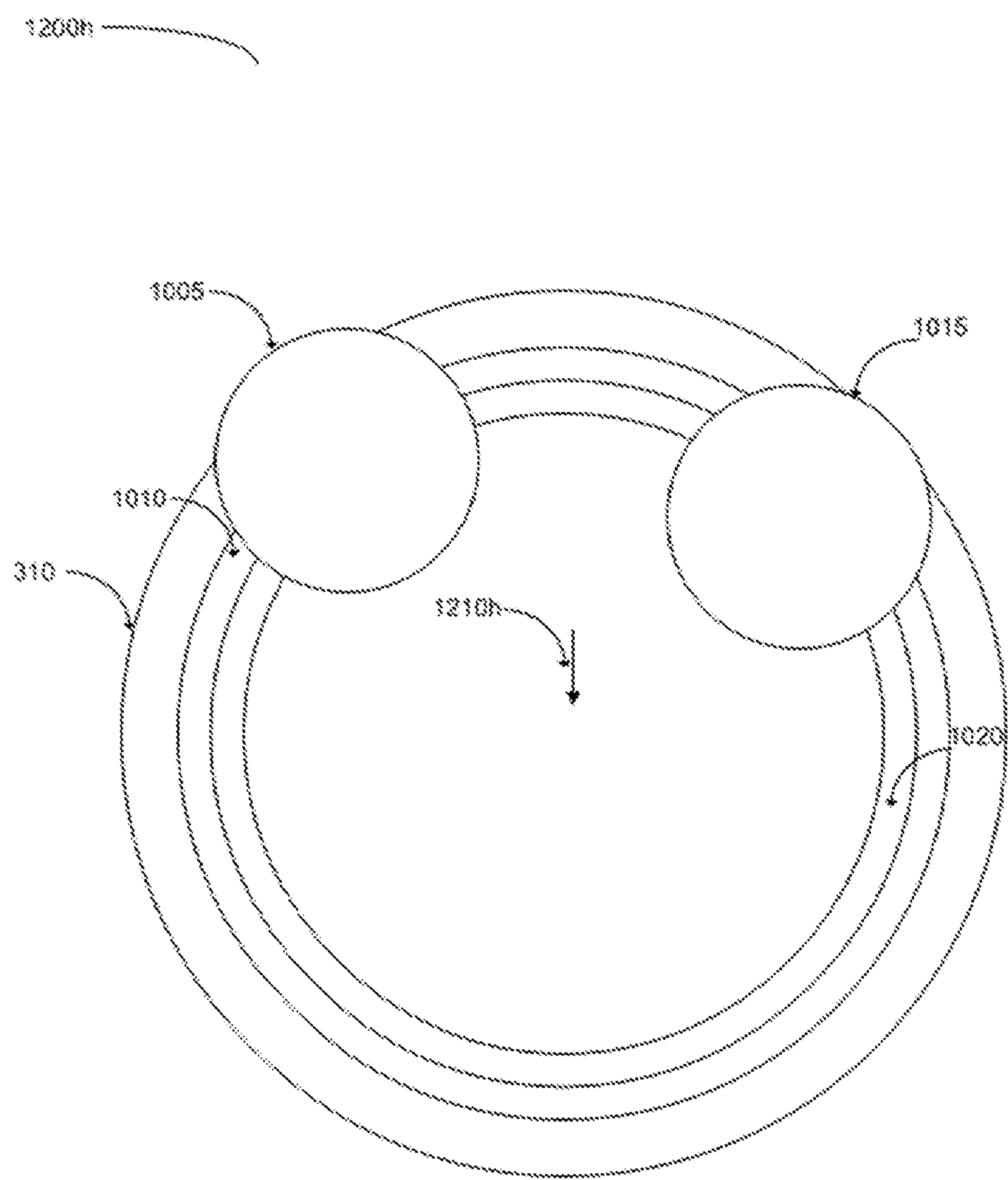


FIG. 23I

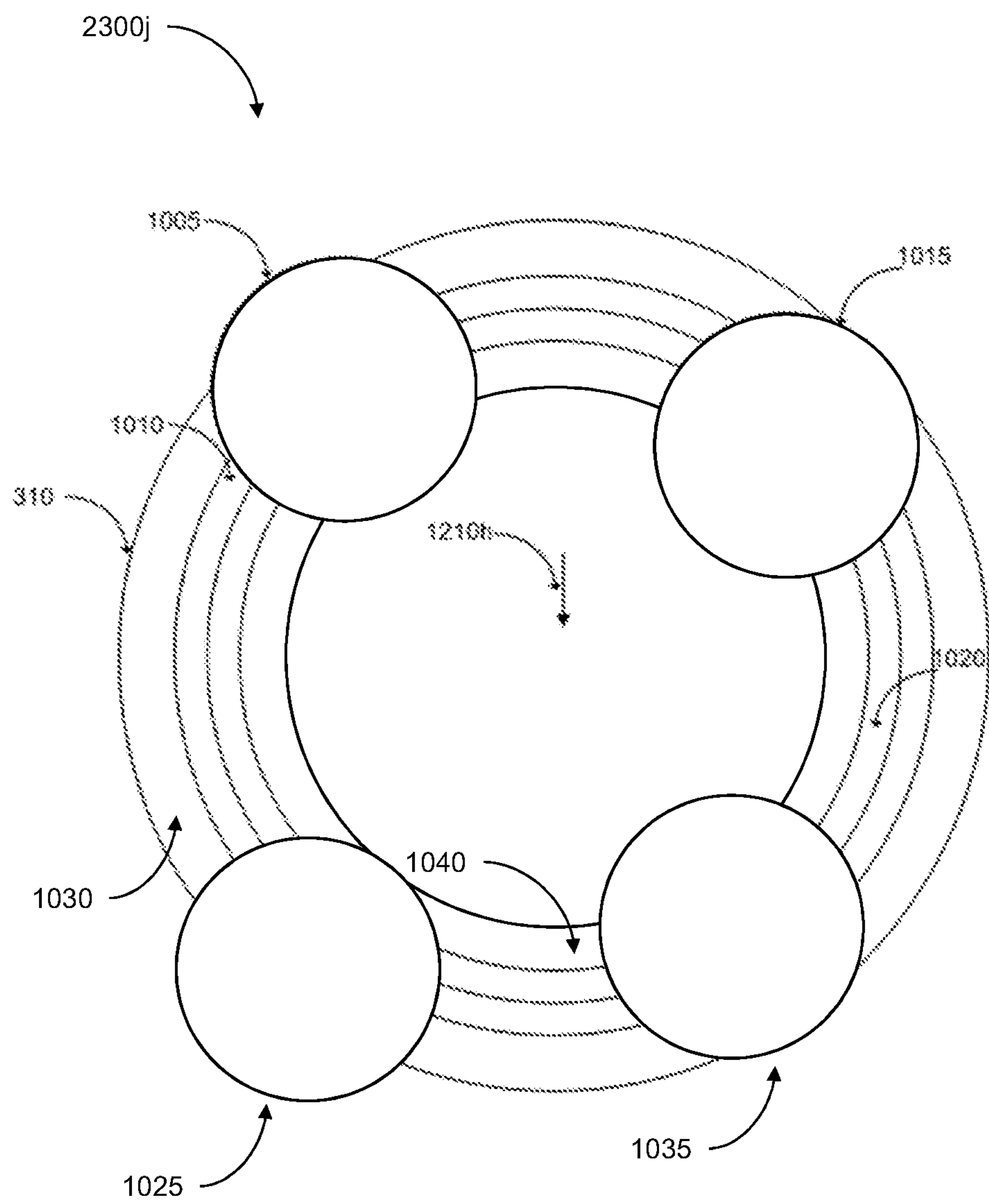


FIG. 23J

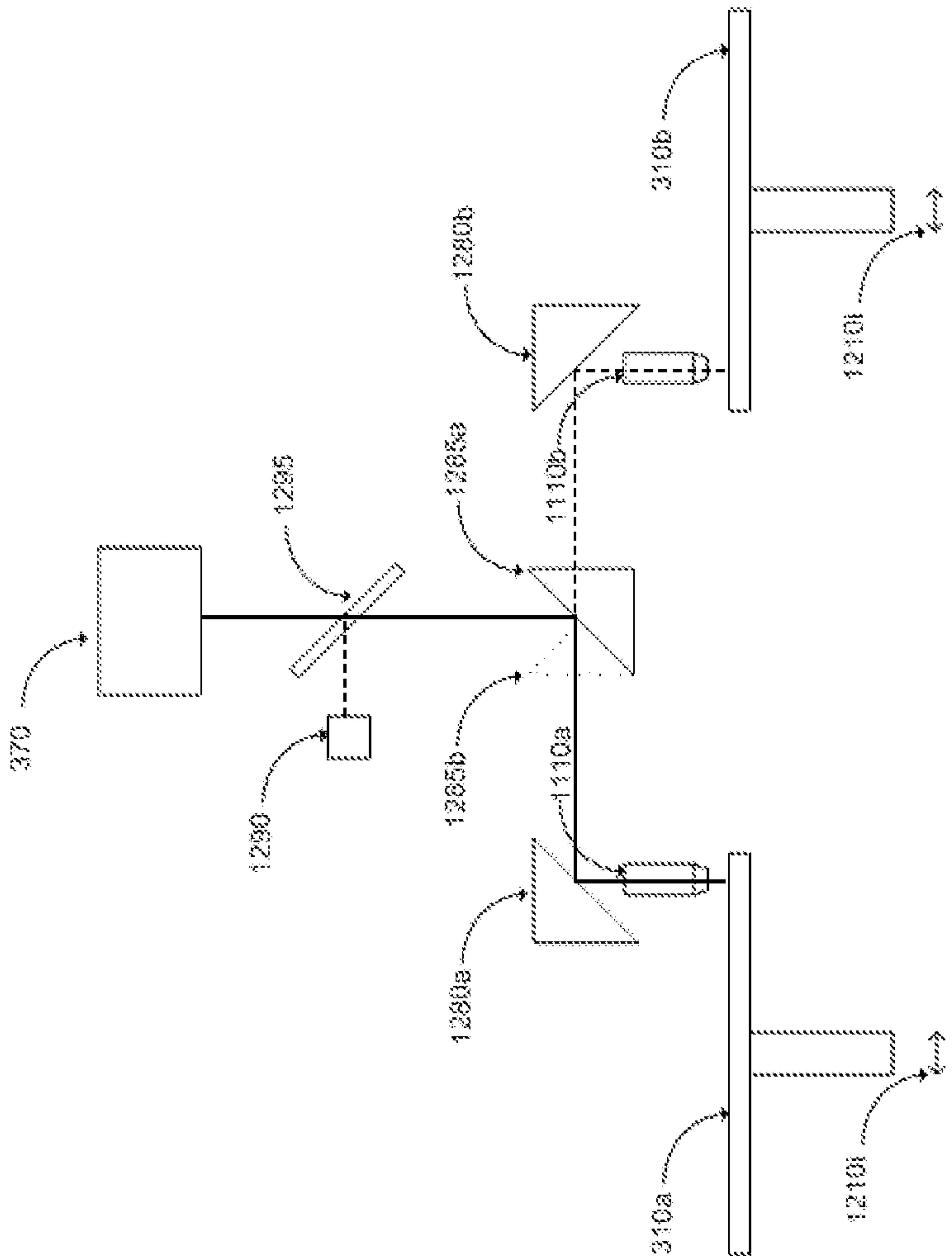


FIG. 23K

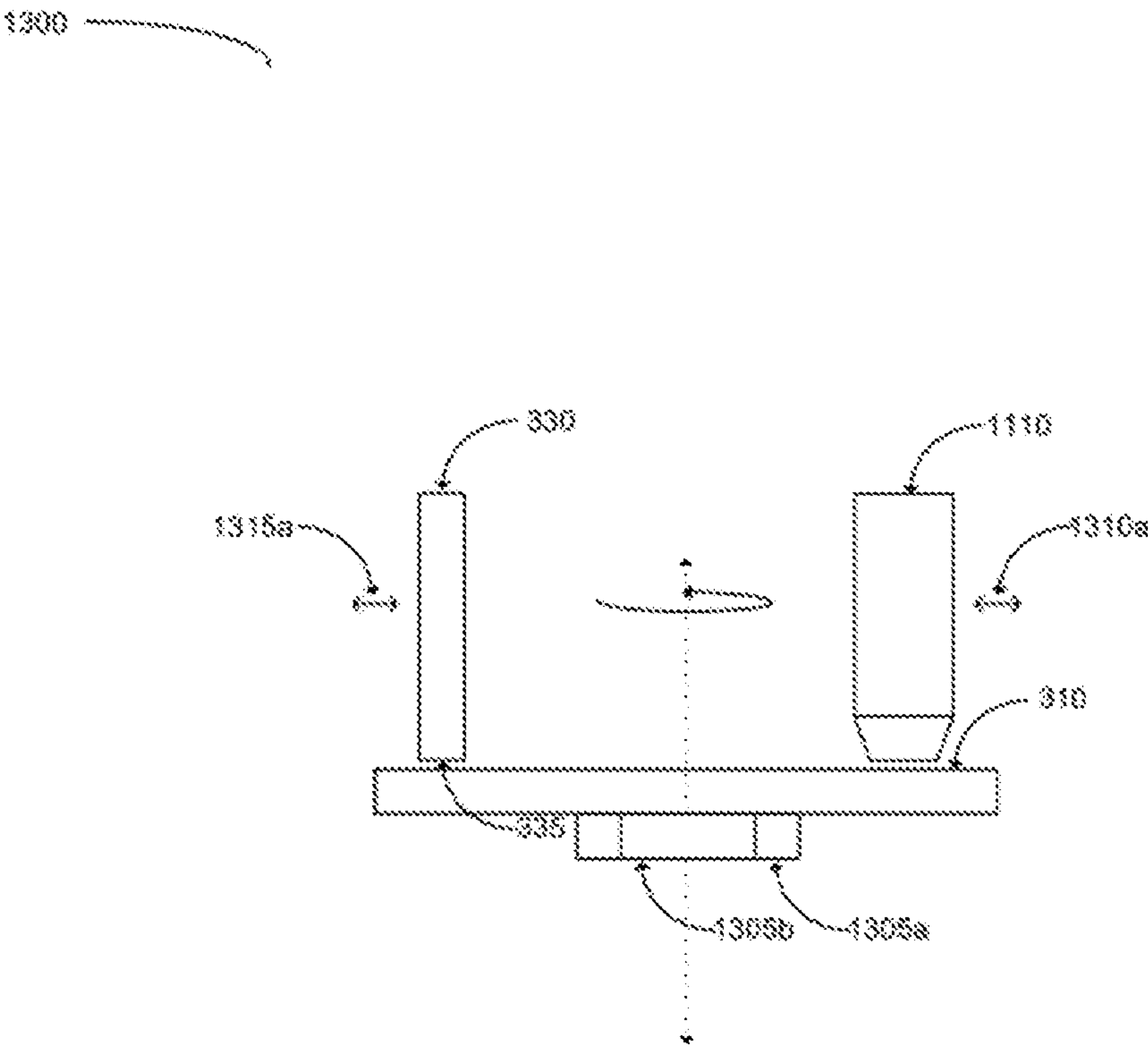


FIG. 24

1400

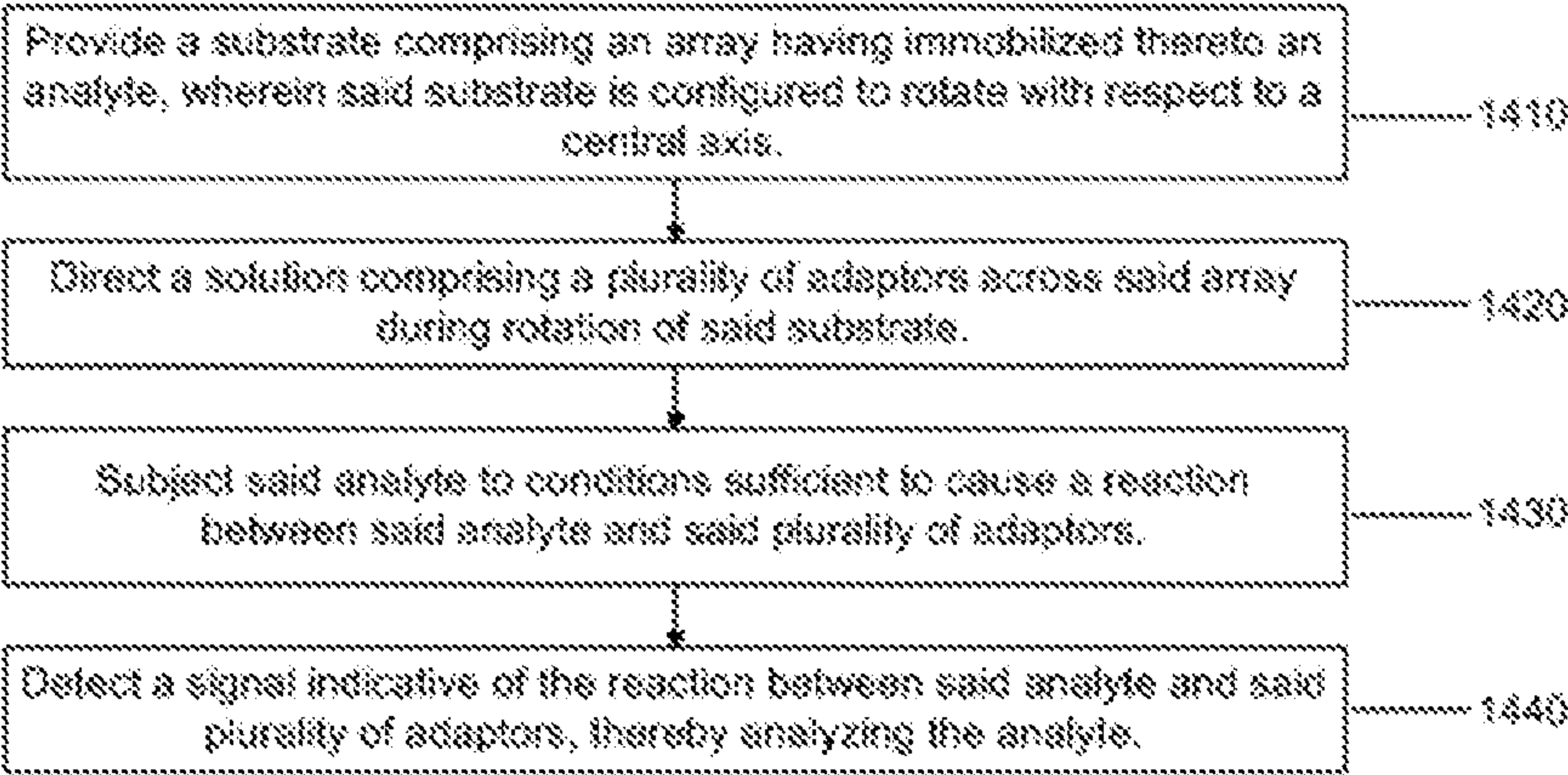


FIG. 25

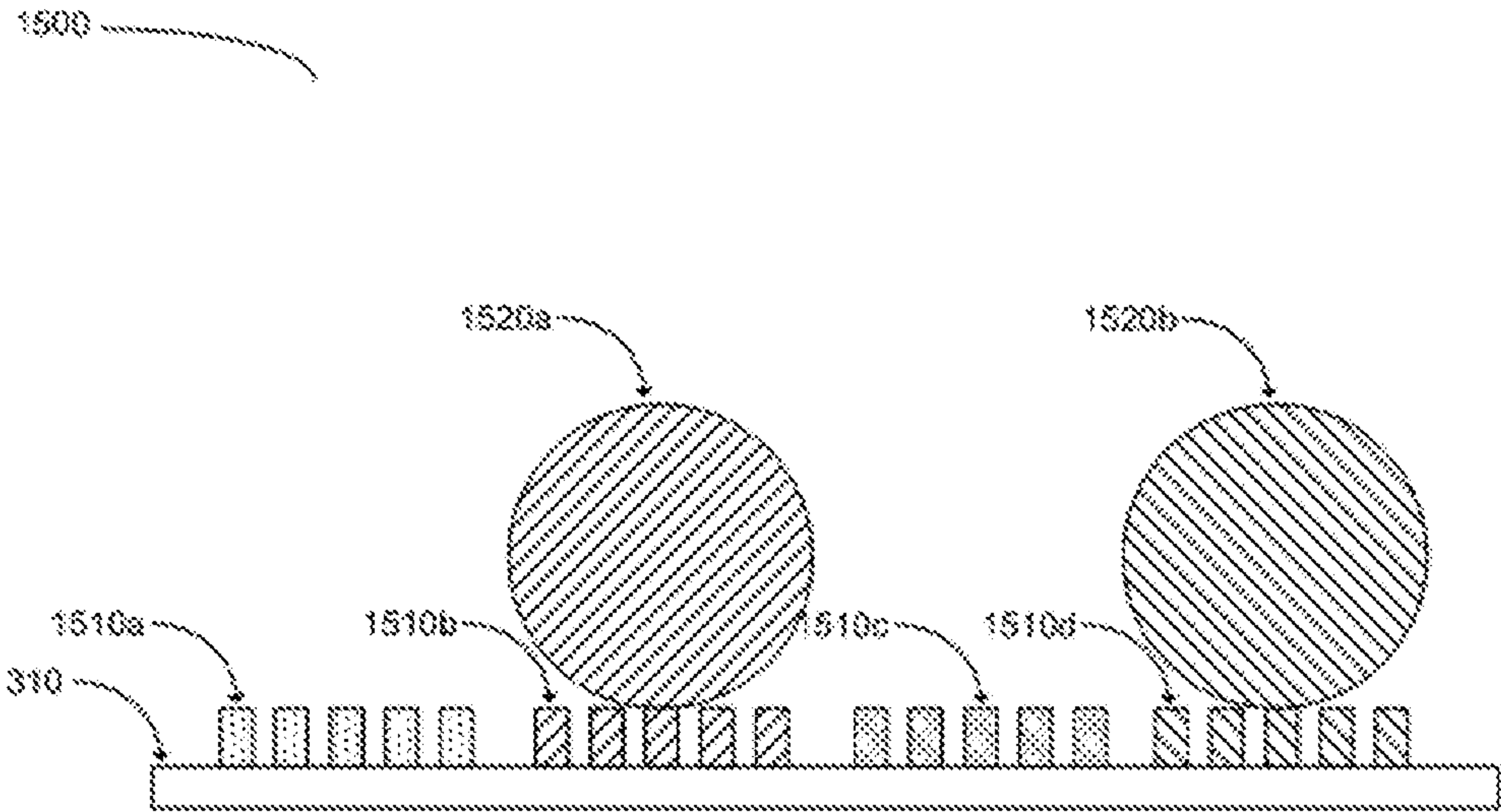


FIG. 26

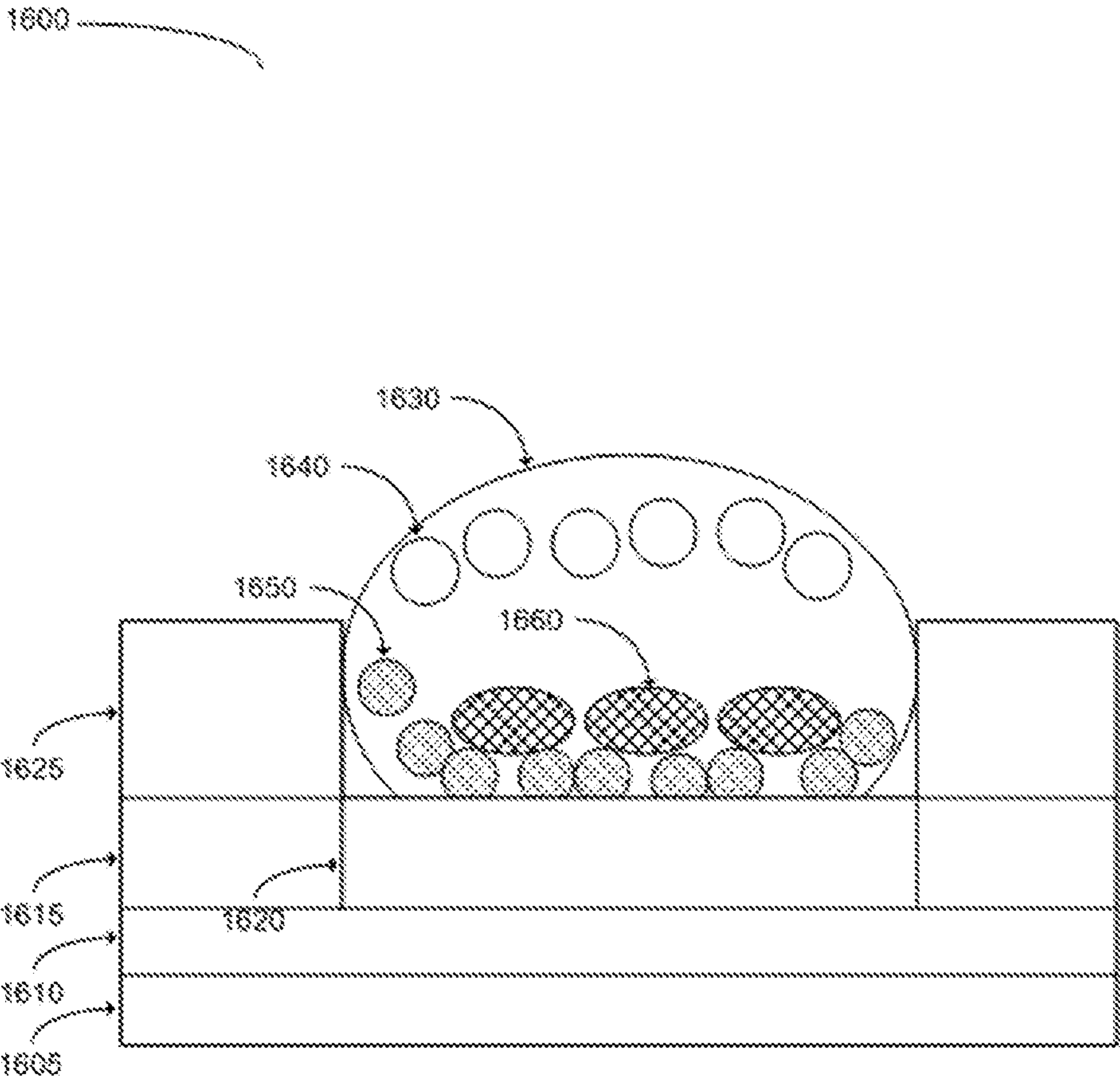


FIG. 27

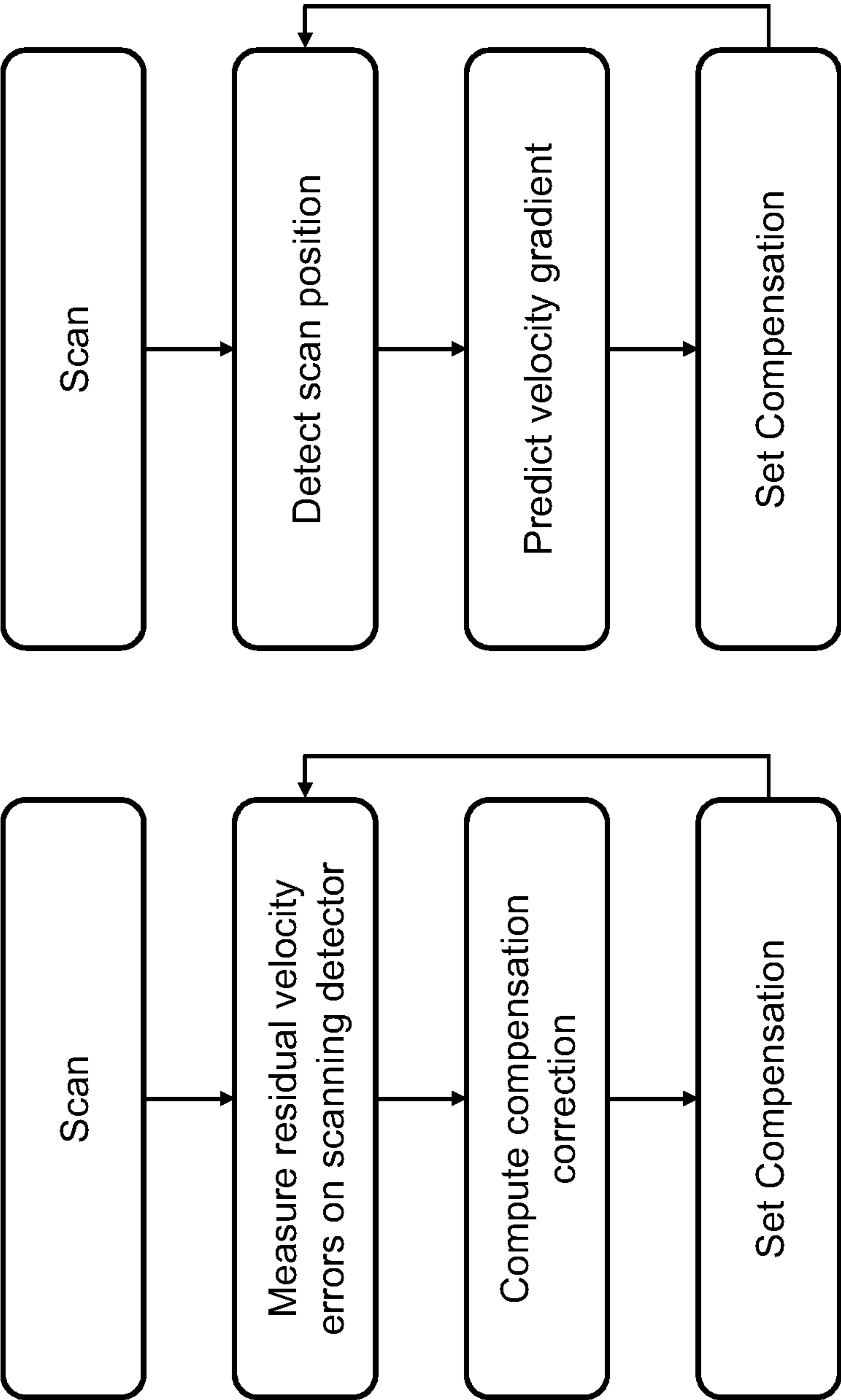


FIG. 28

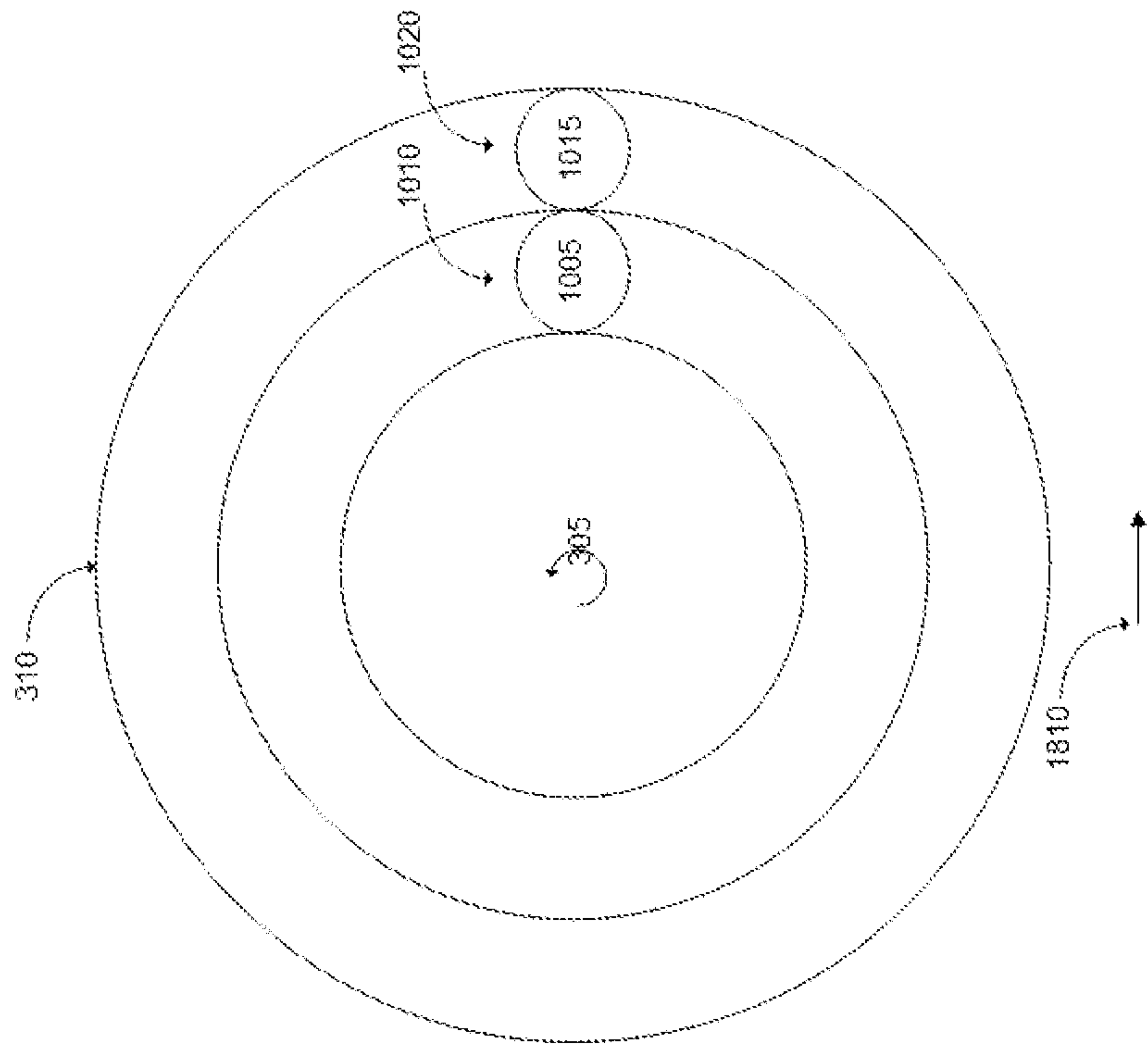


FIG. 29A

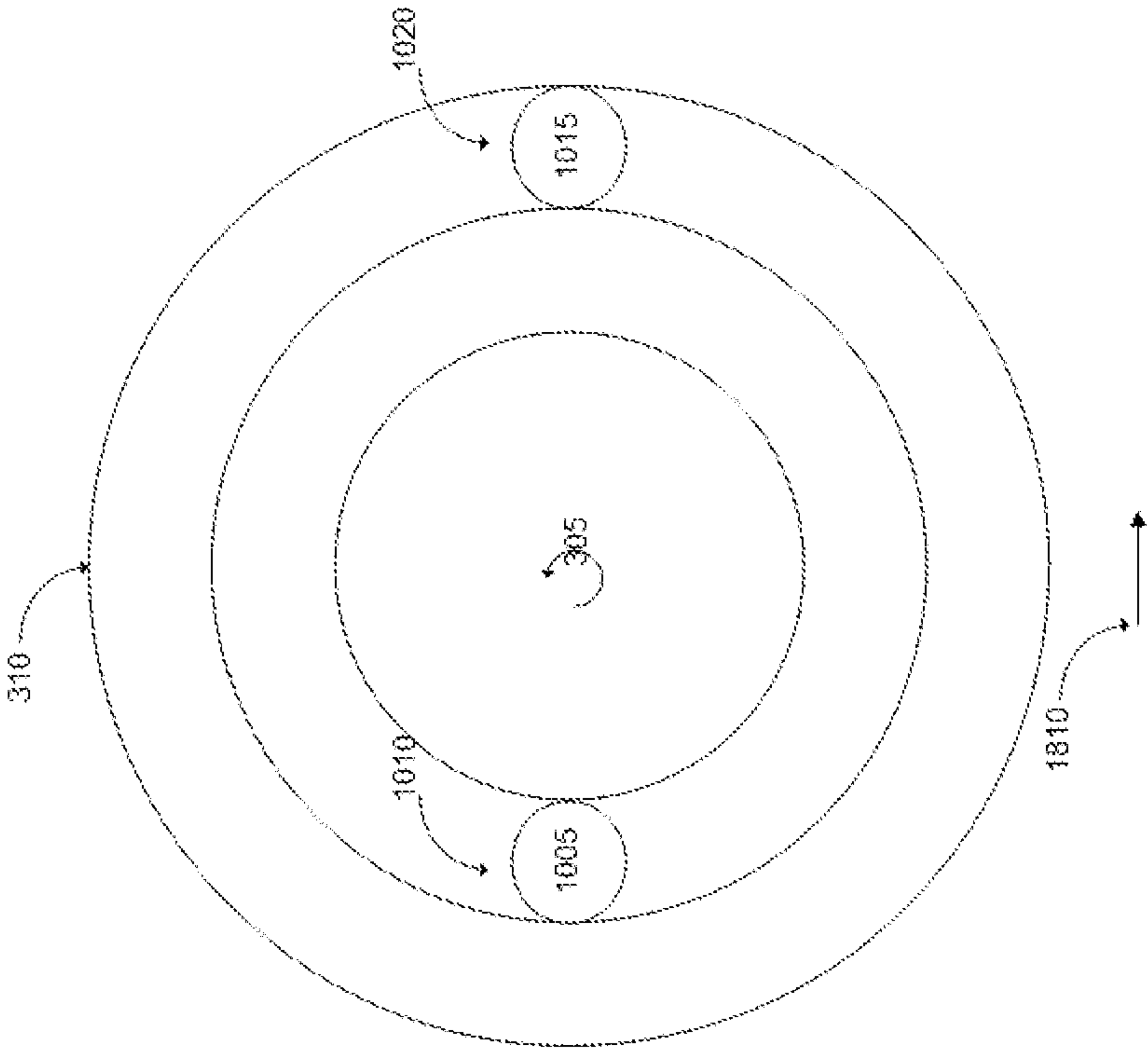


FIG. 29B

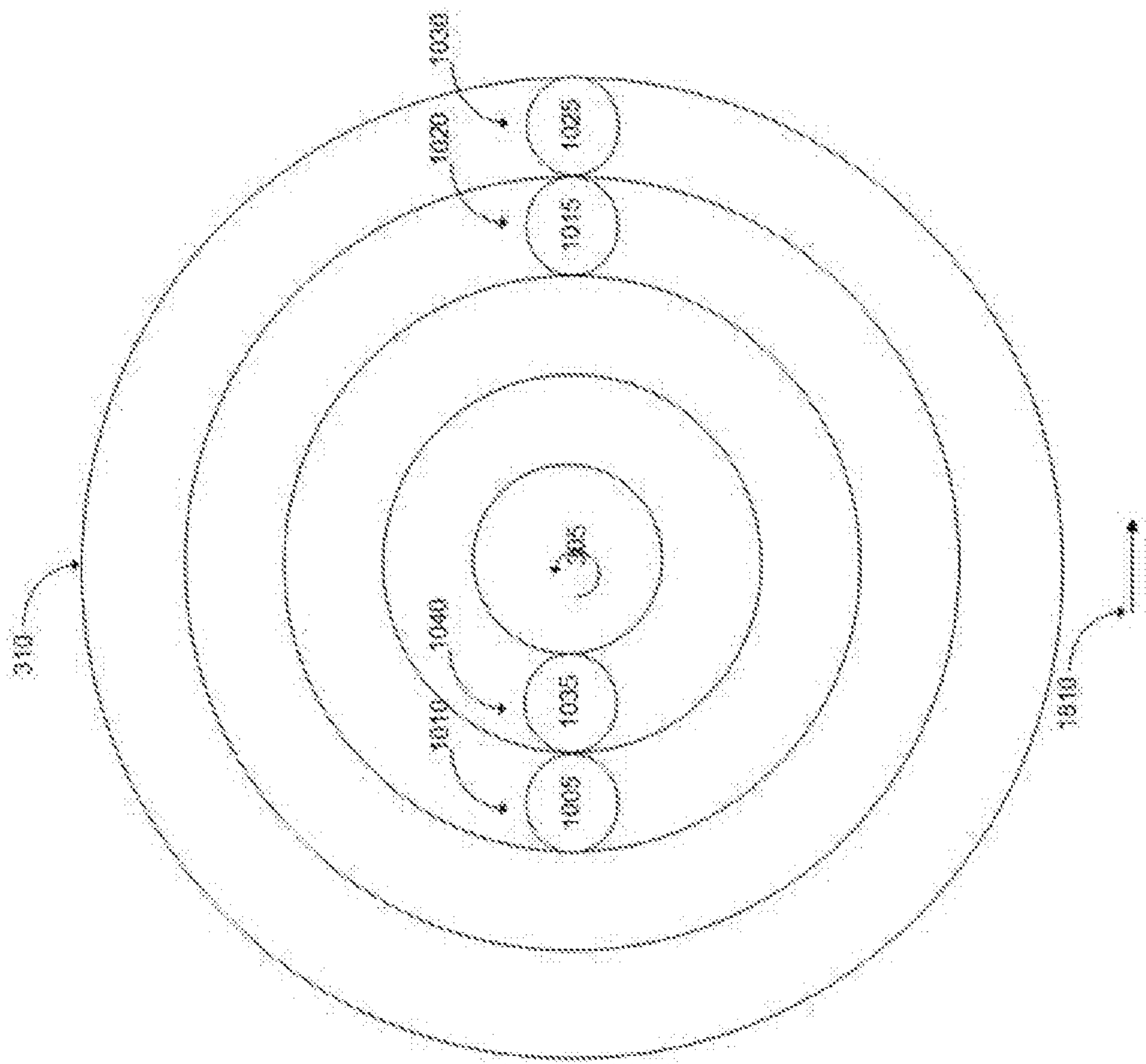


FIG. 29D

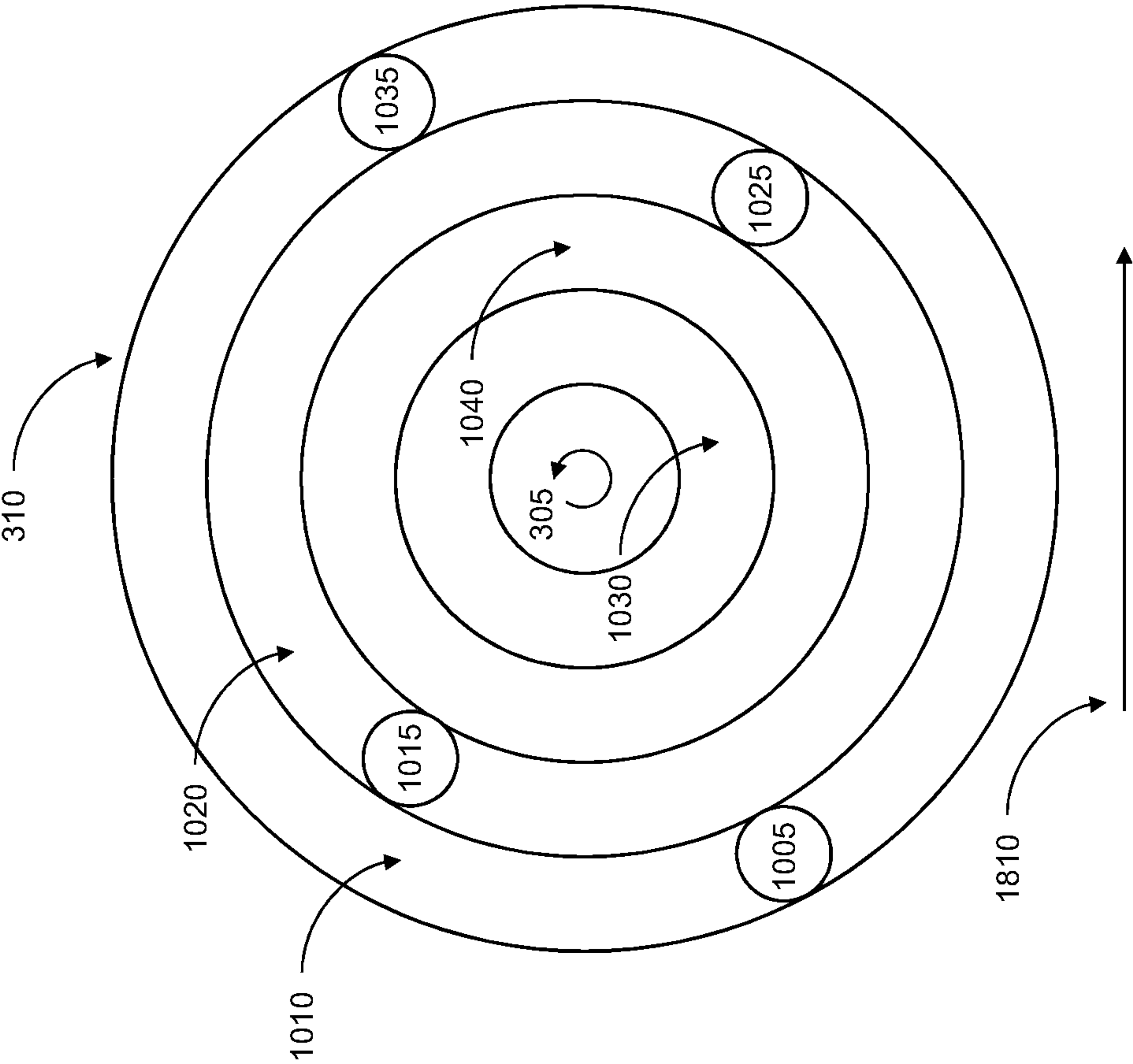


FIG. 29E

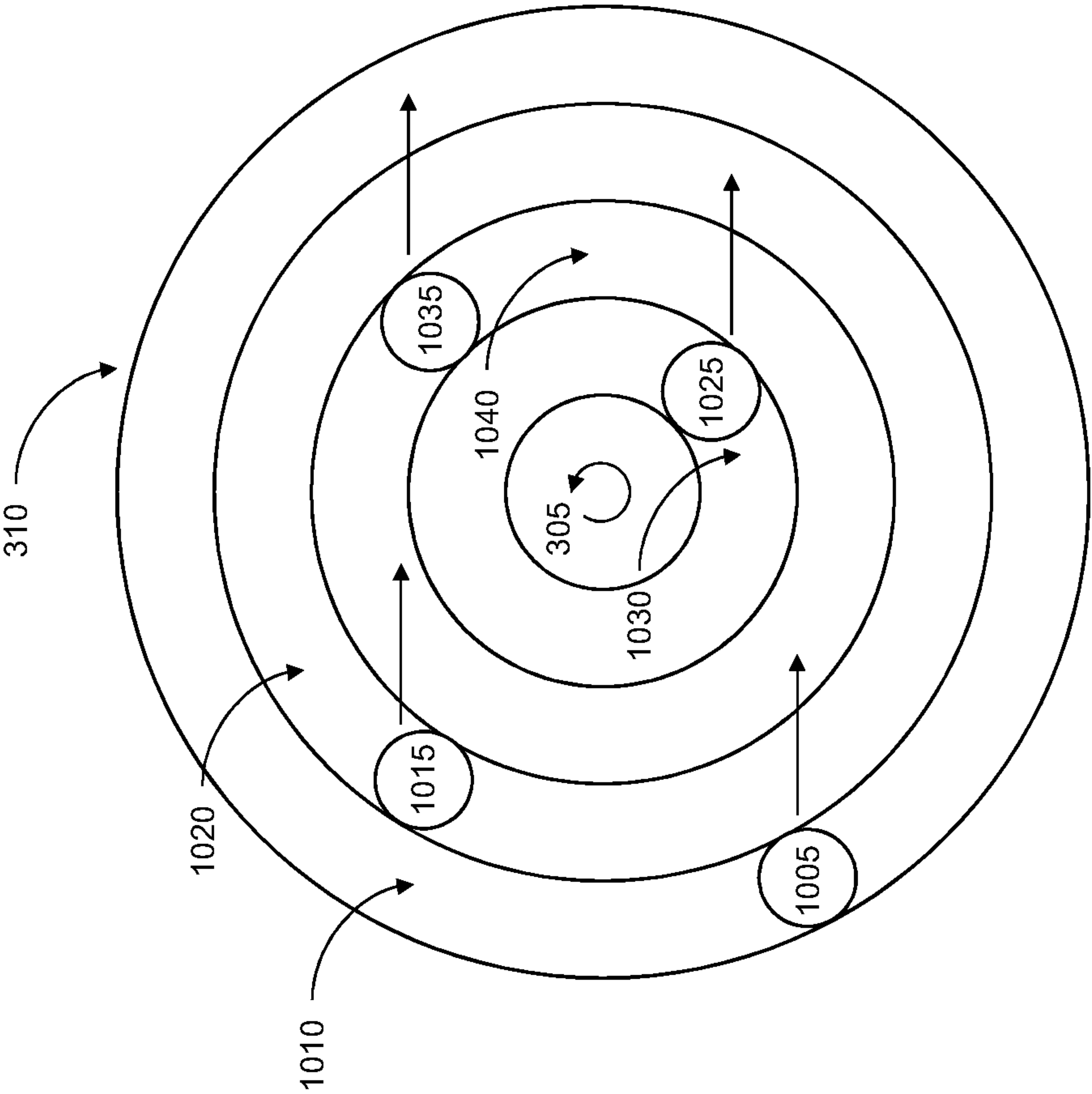


FIG. 29F

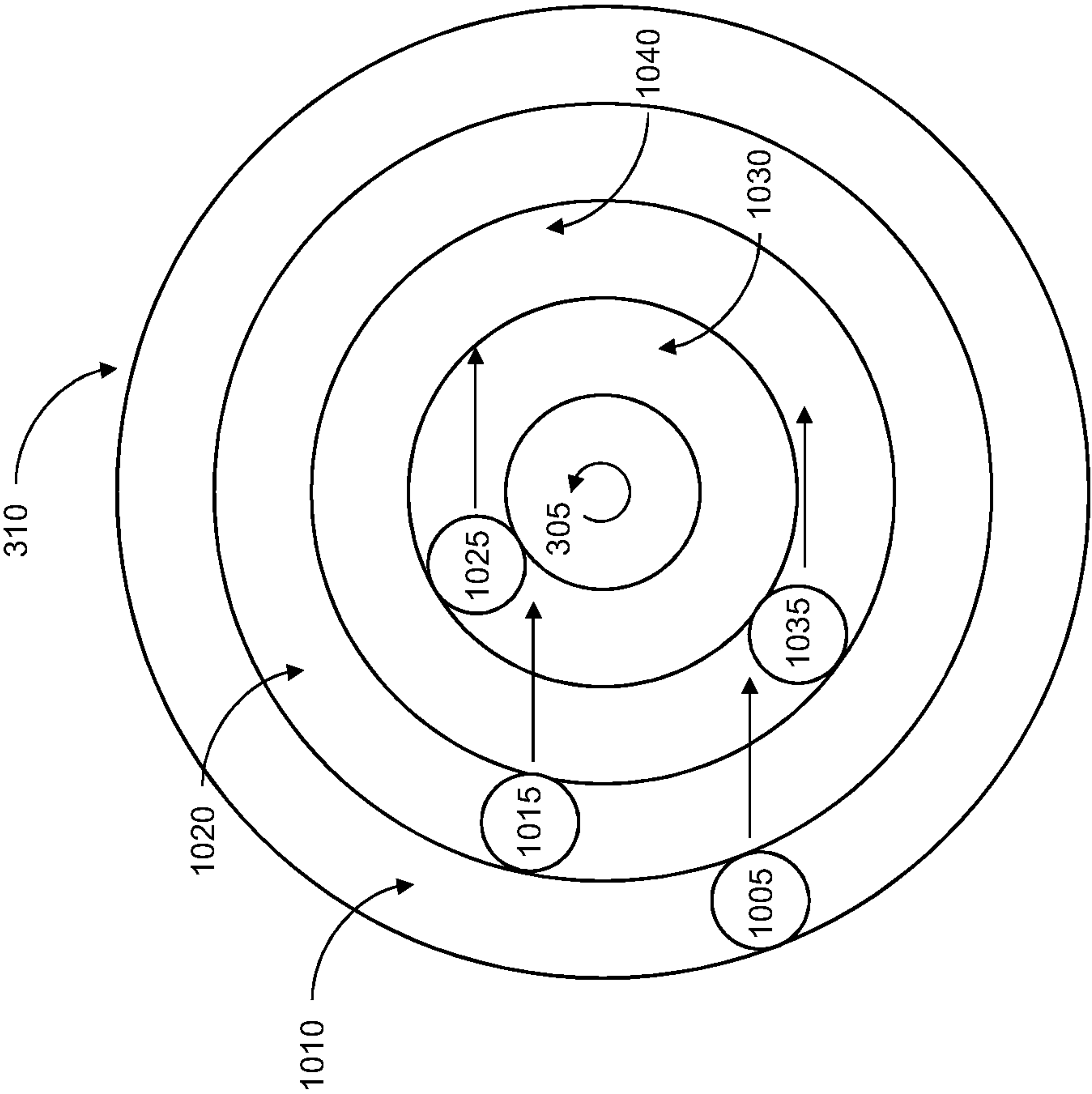


FIG. 29G

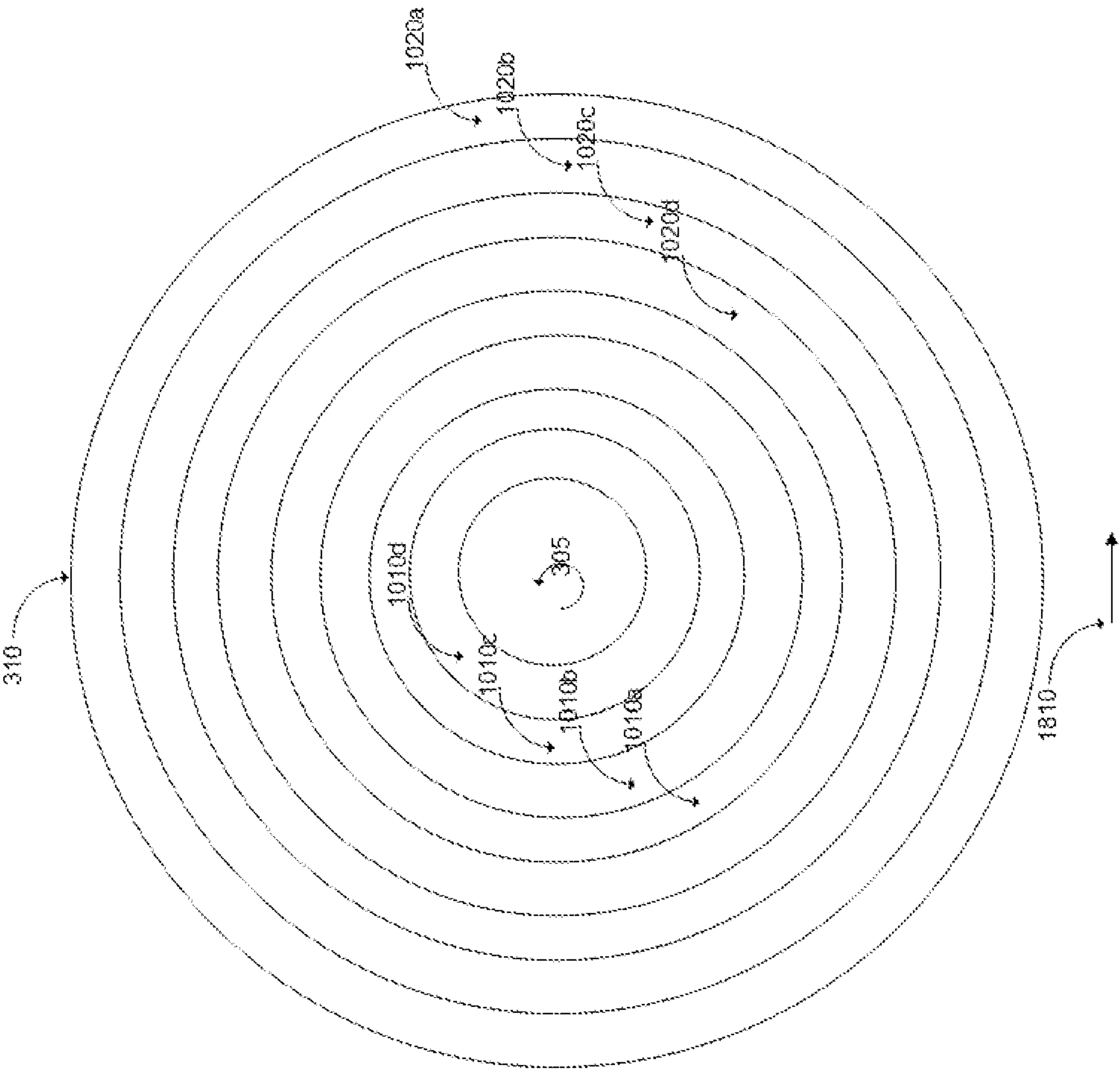


FIG. 30A

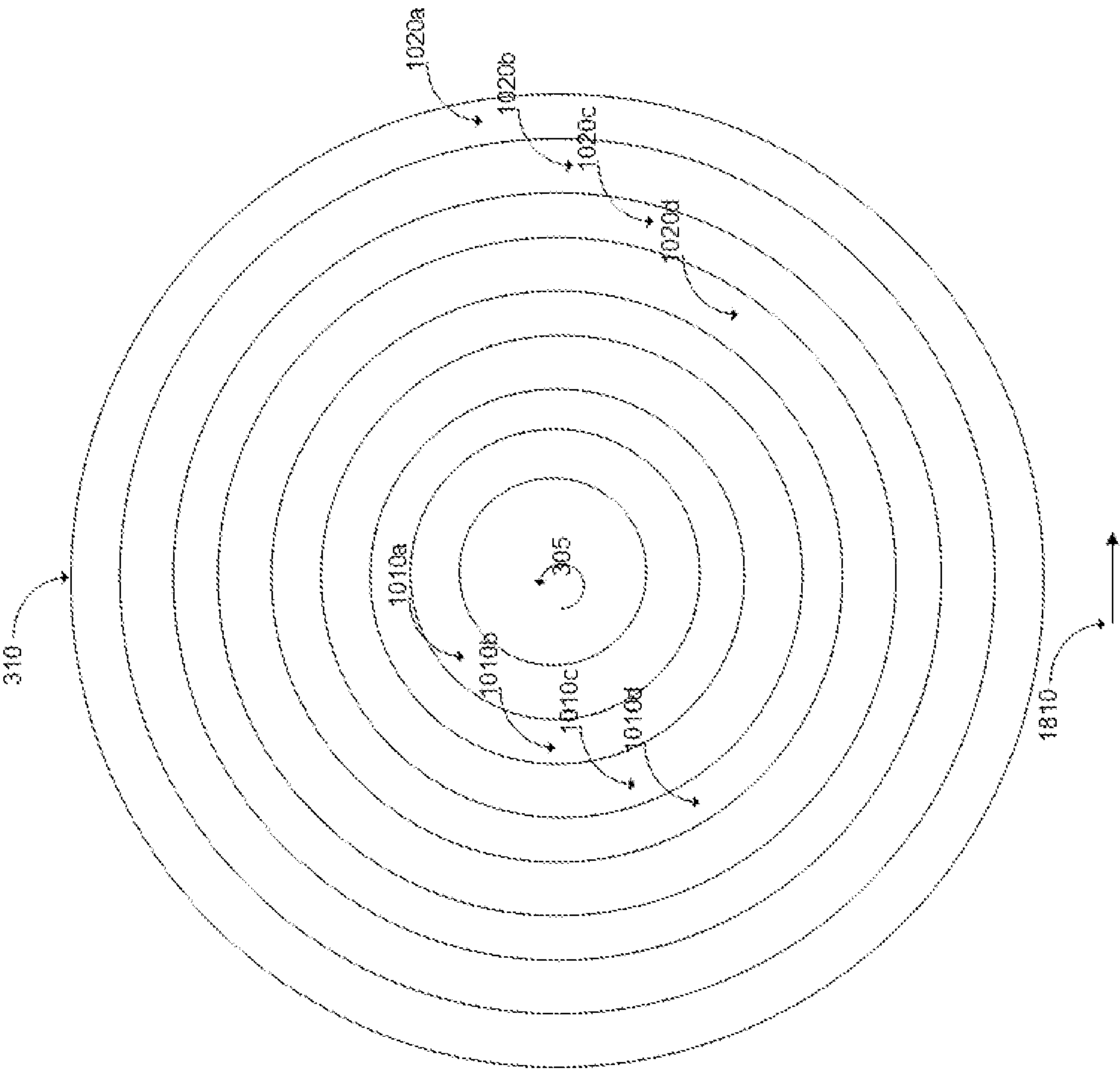


FIG. 30B

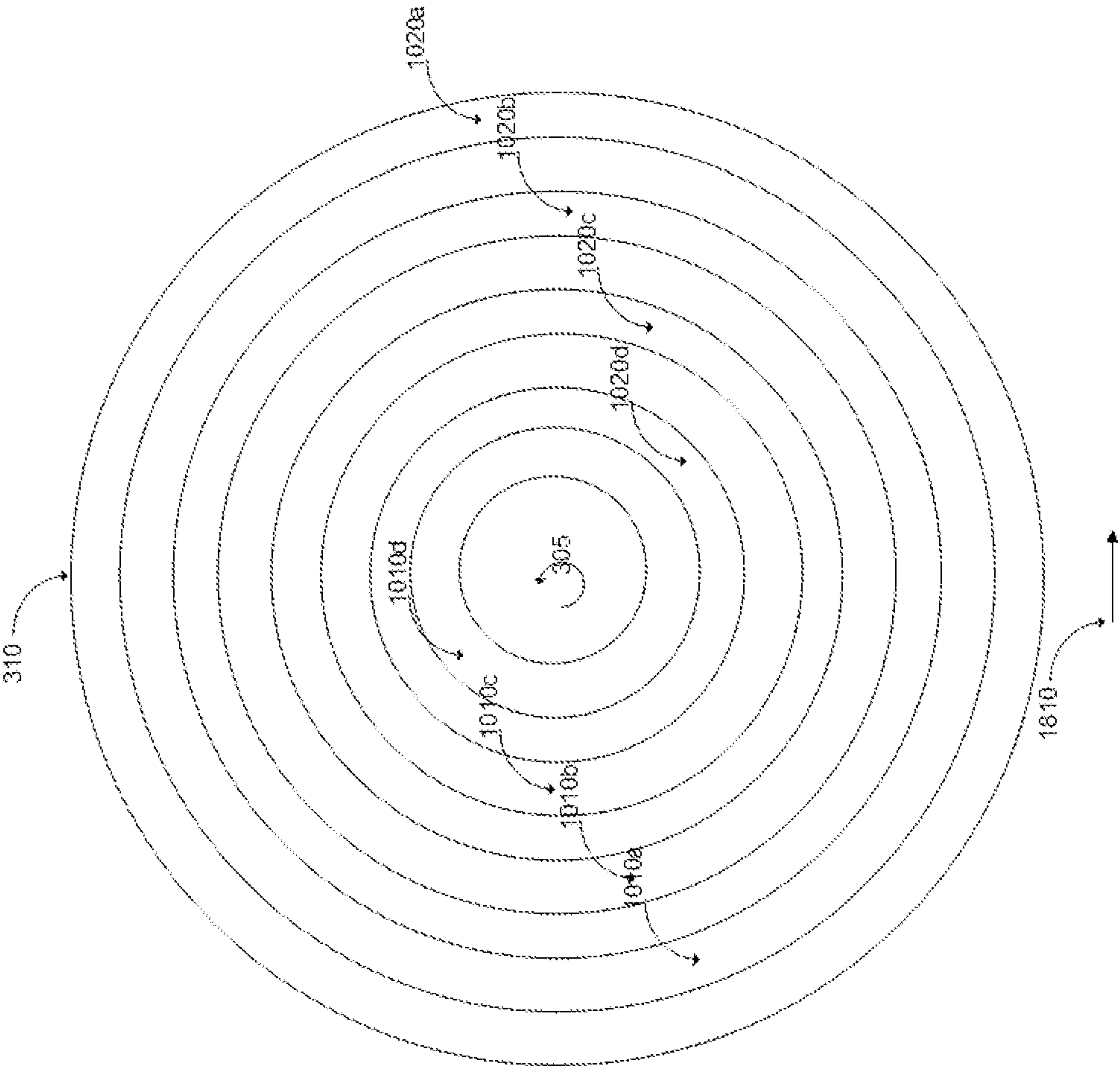


FIG. 30C

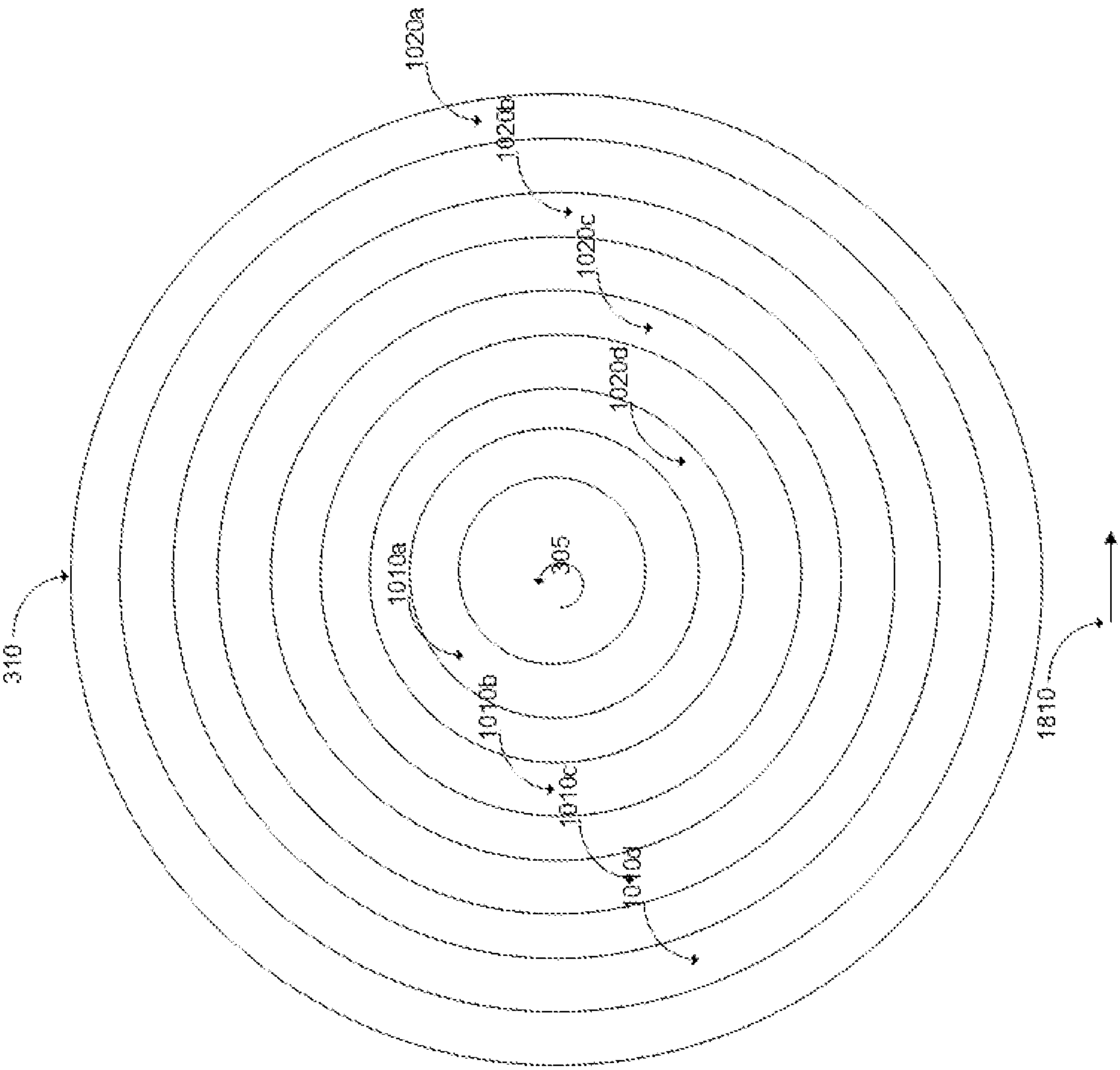


FIG. 30D

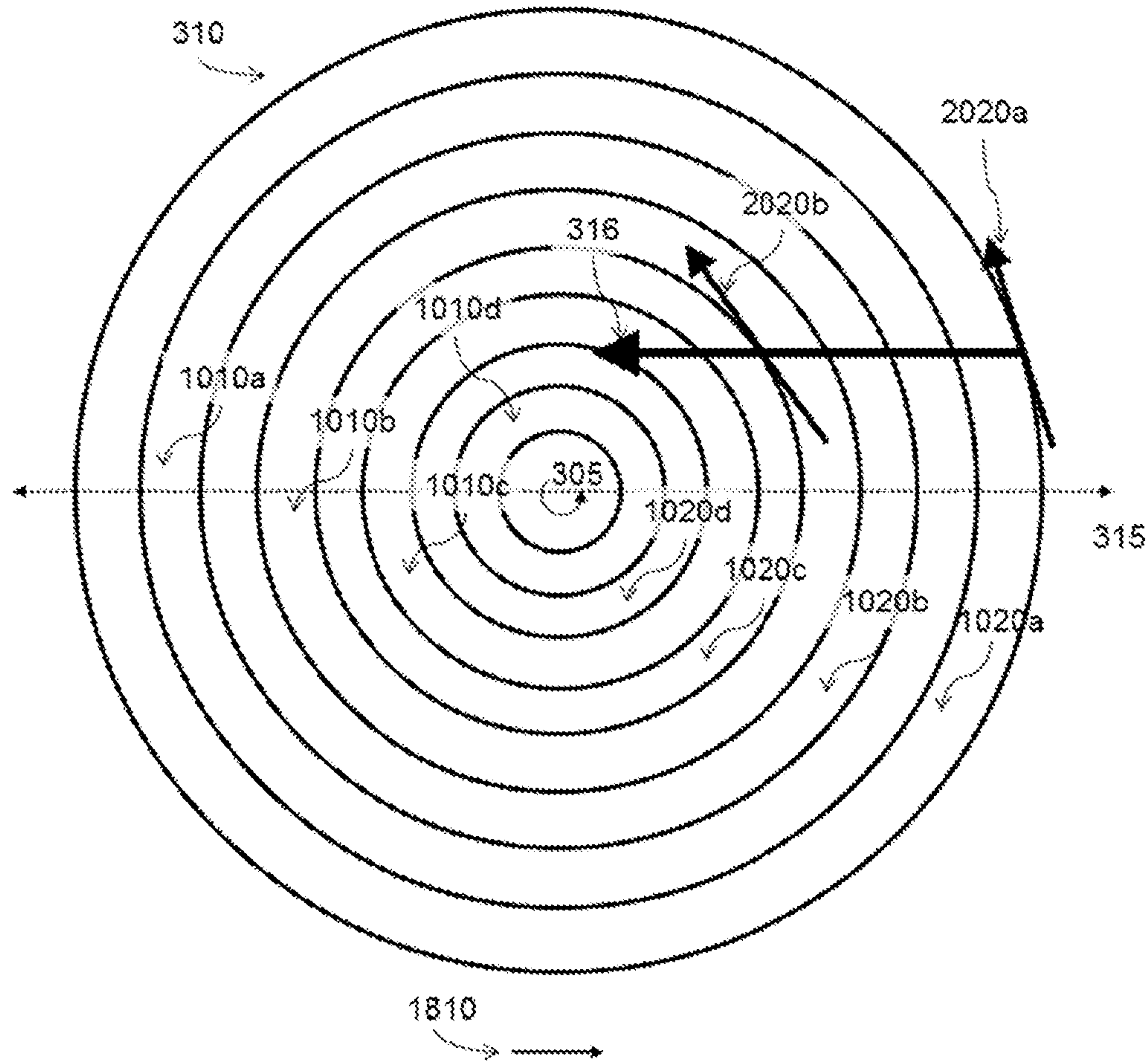


FIG. 31A

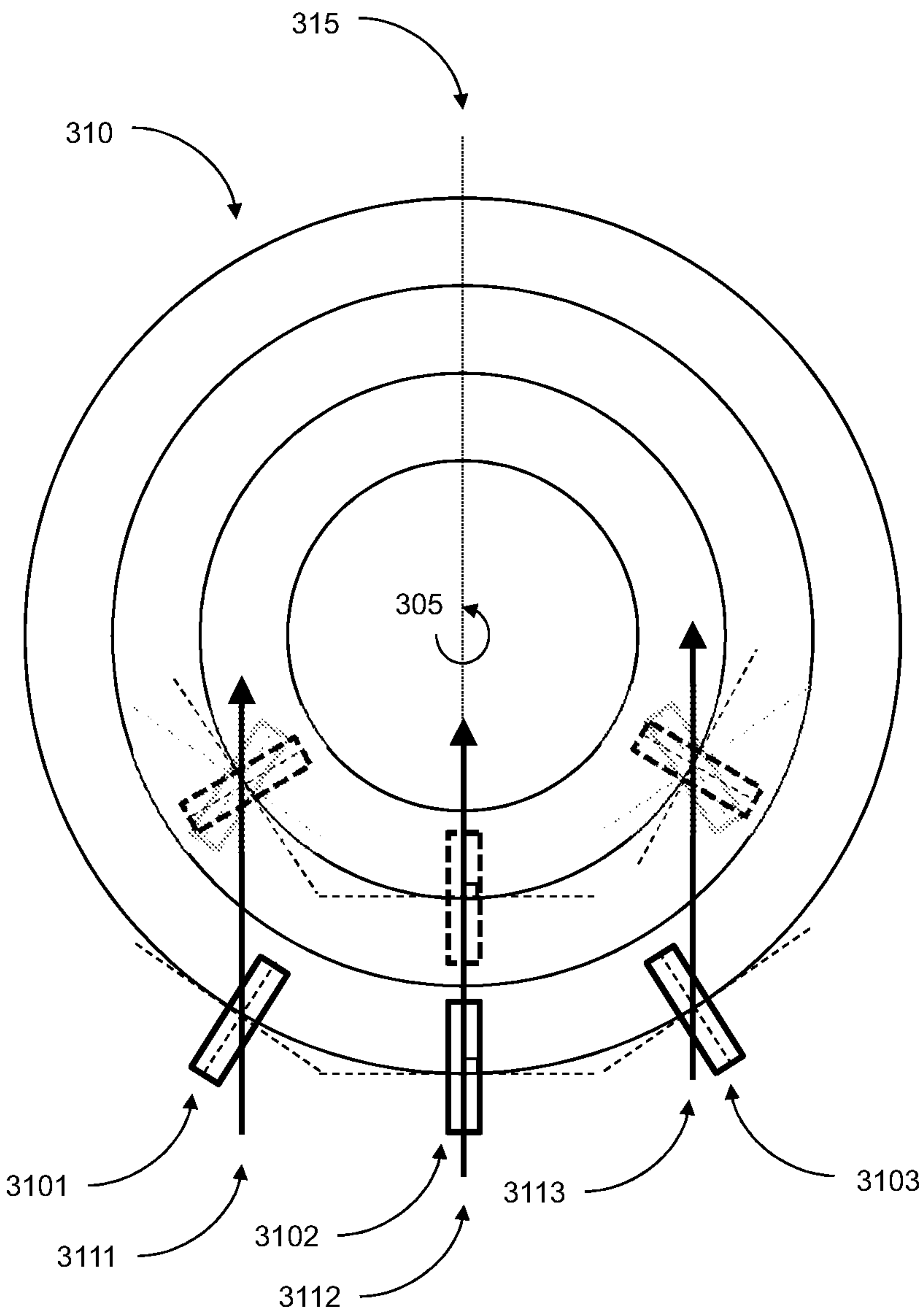


FIG. 31B

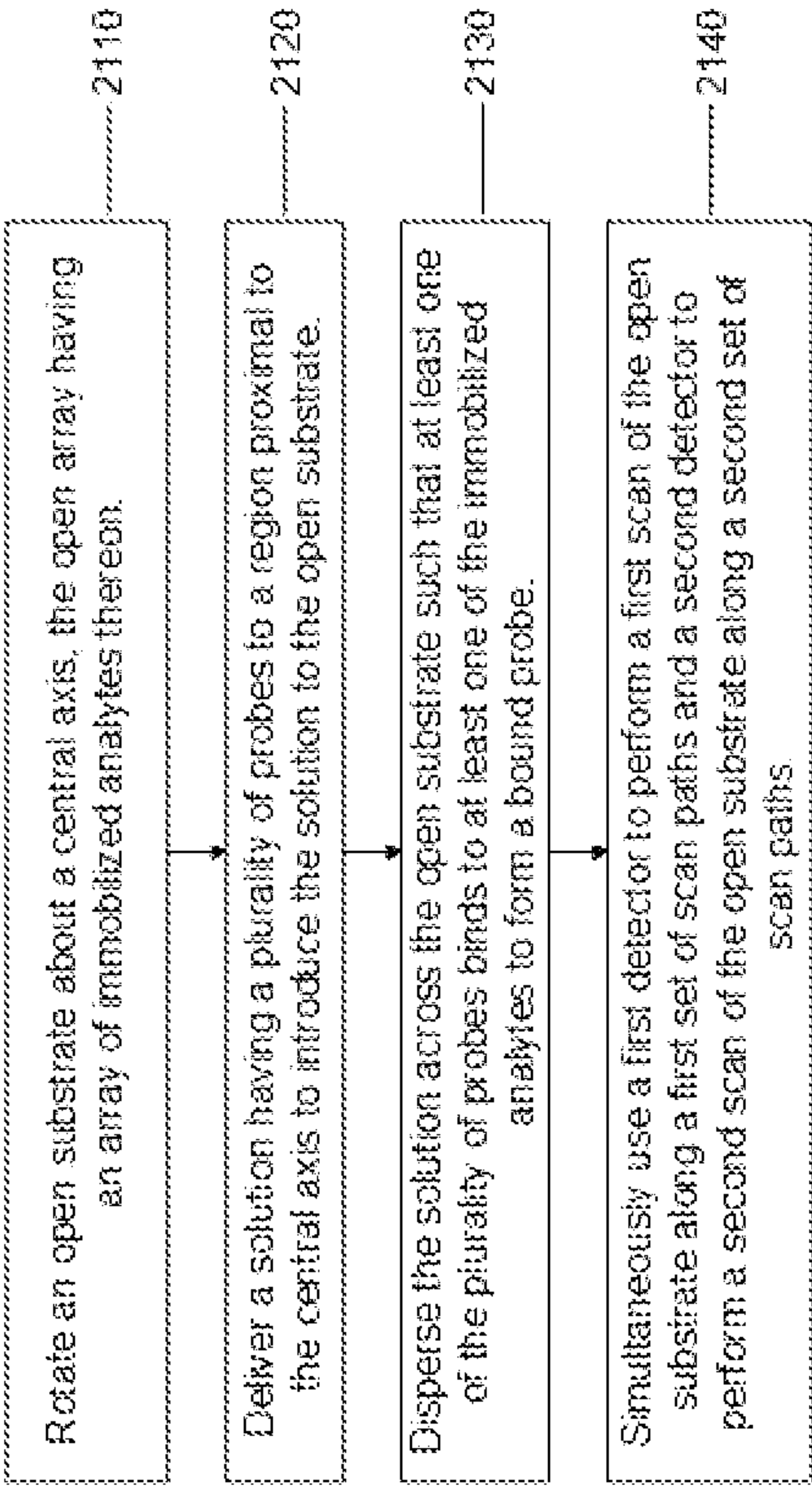


FIG. 32

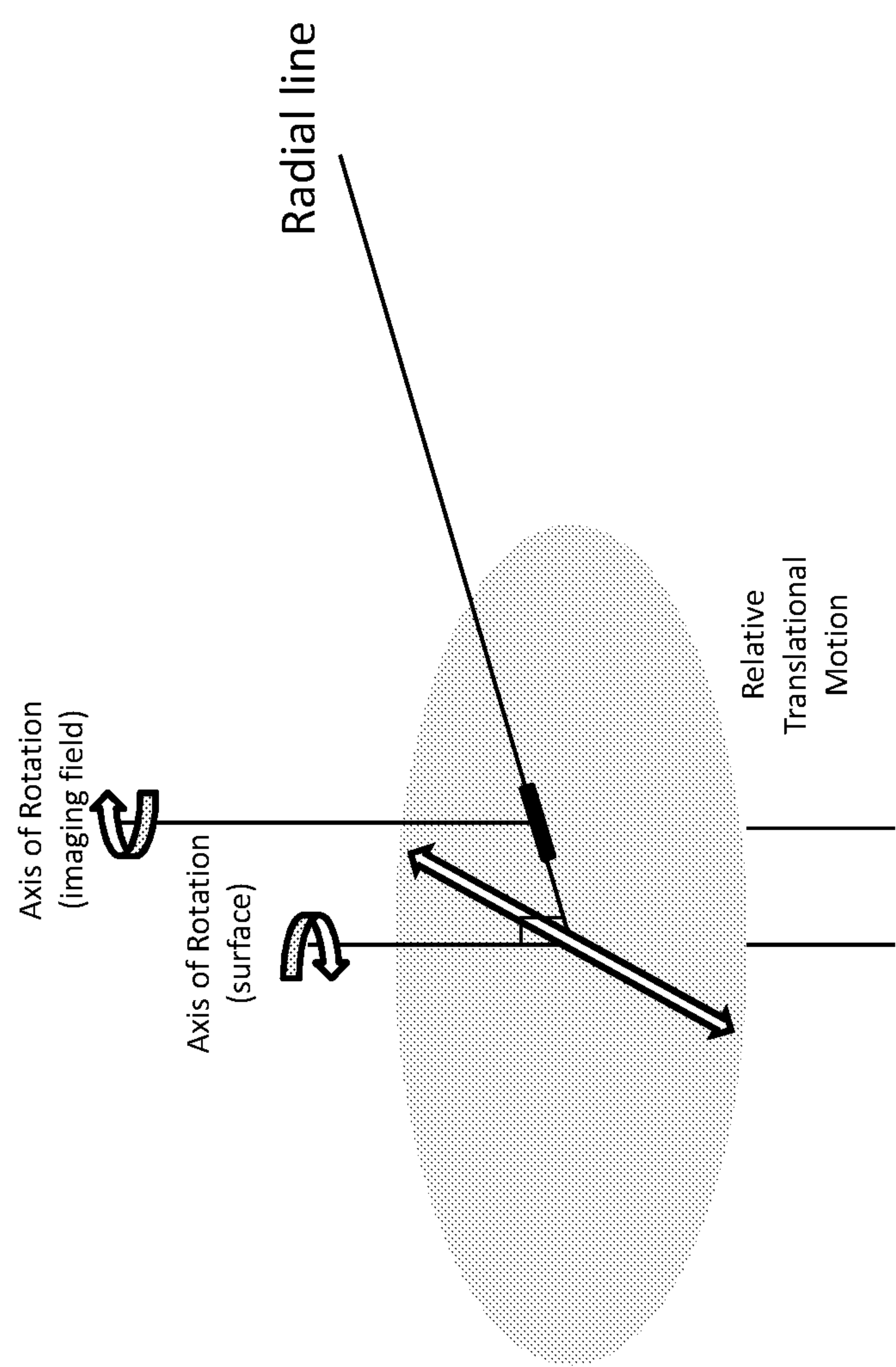


FIG. 33

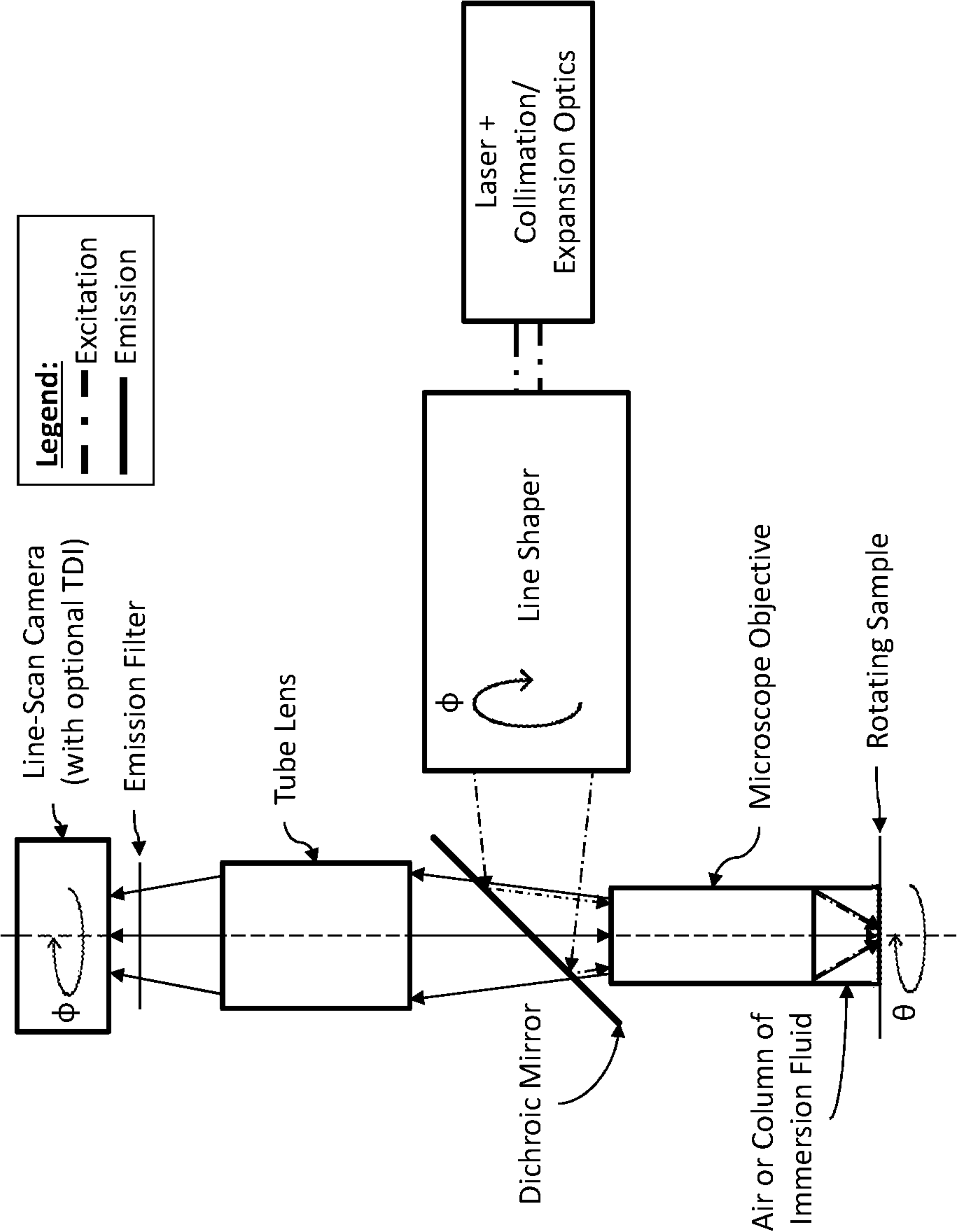


FIG. 34A

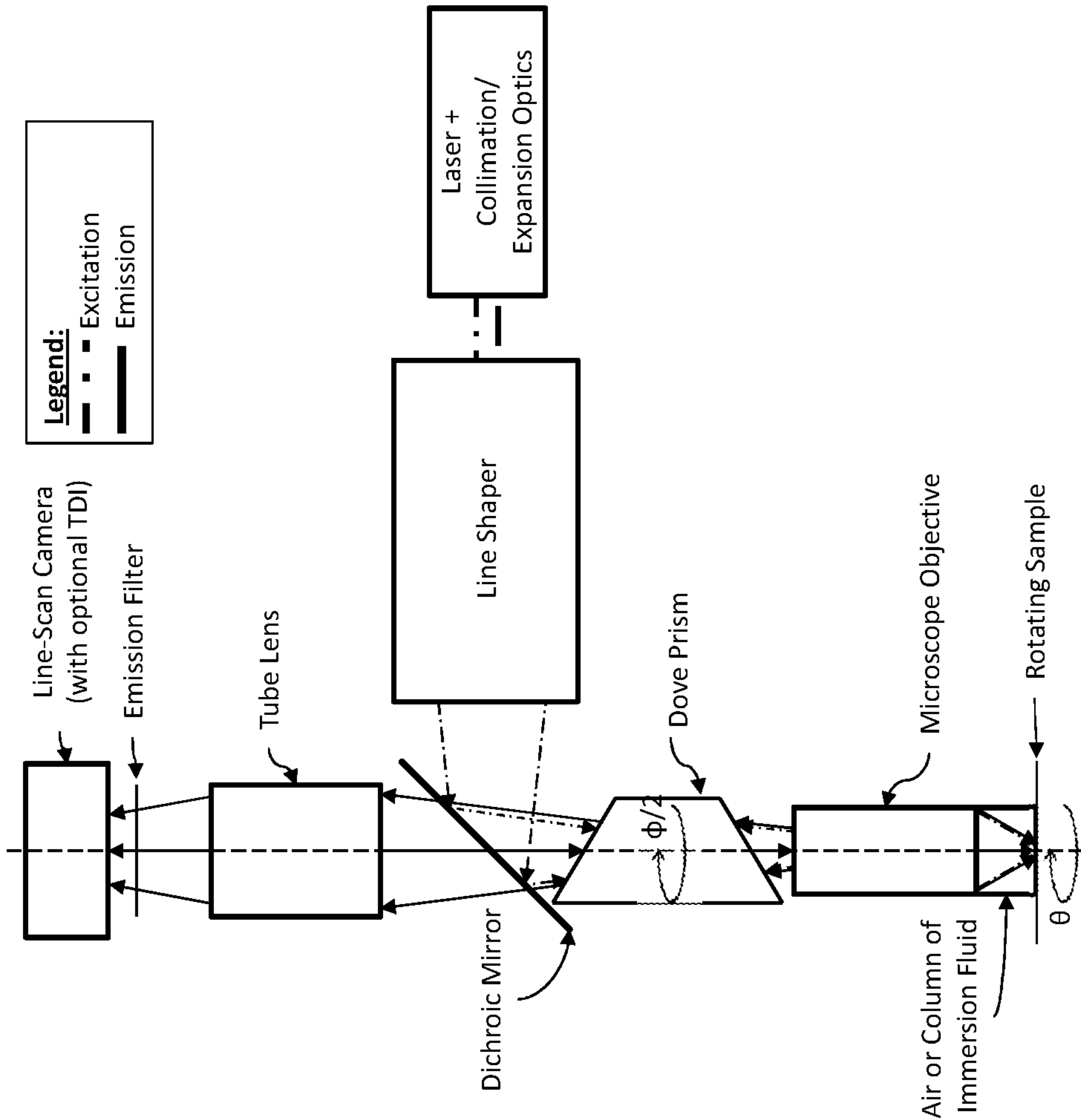


FIG. 34B

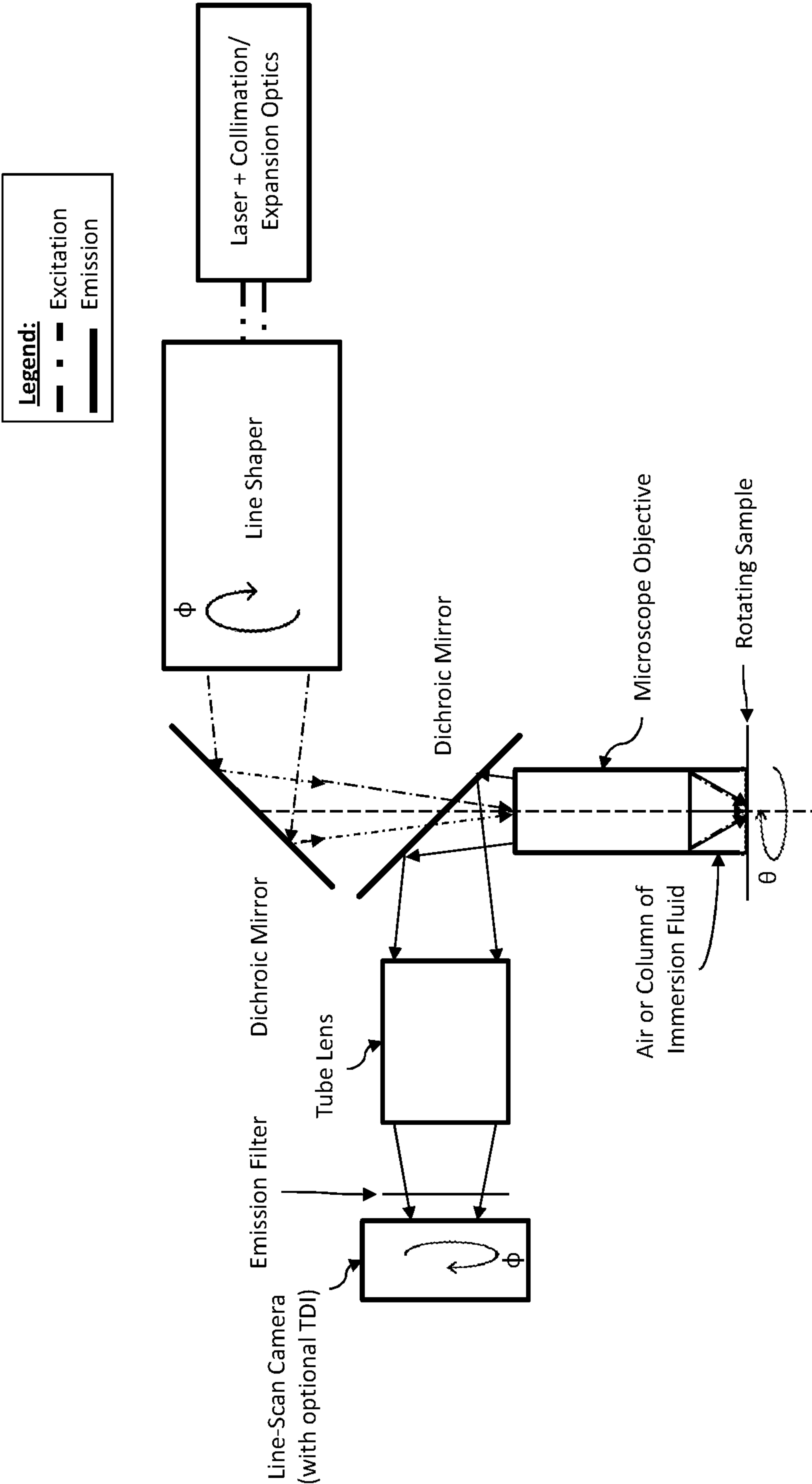


FIG. 34C

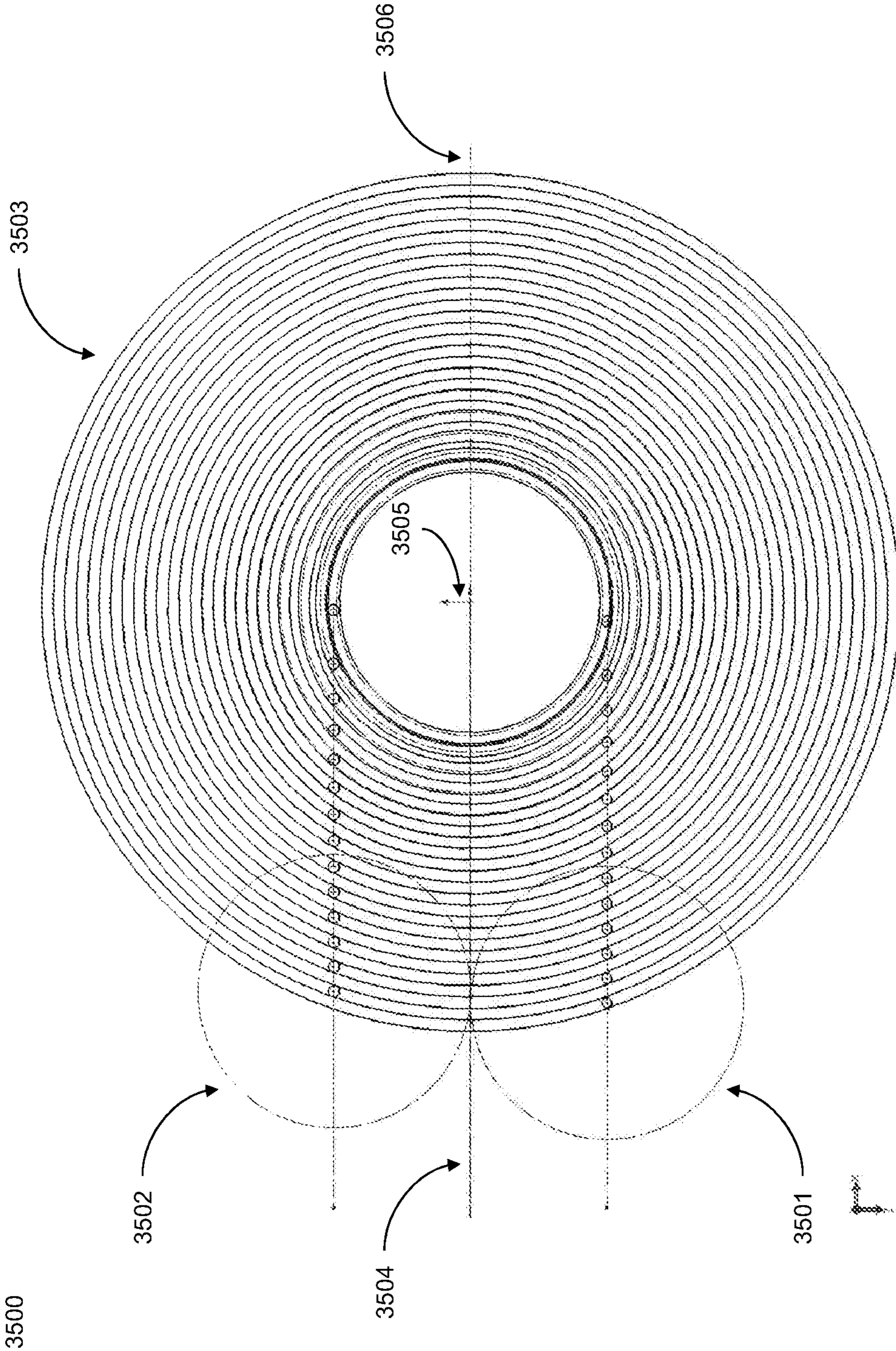


FIG. 35A

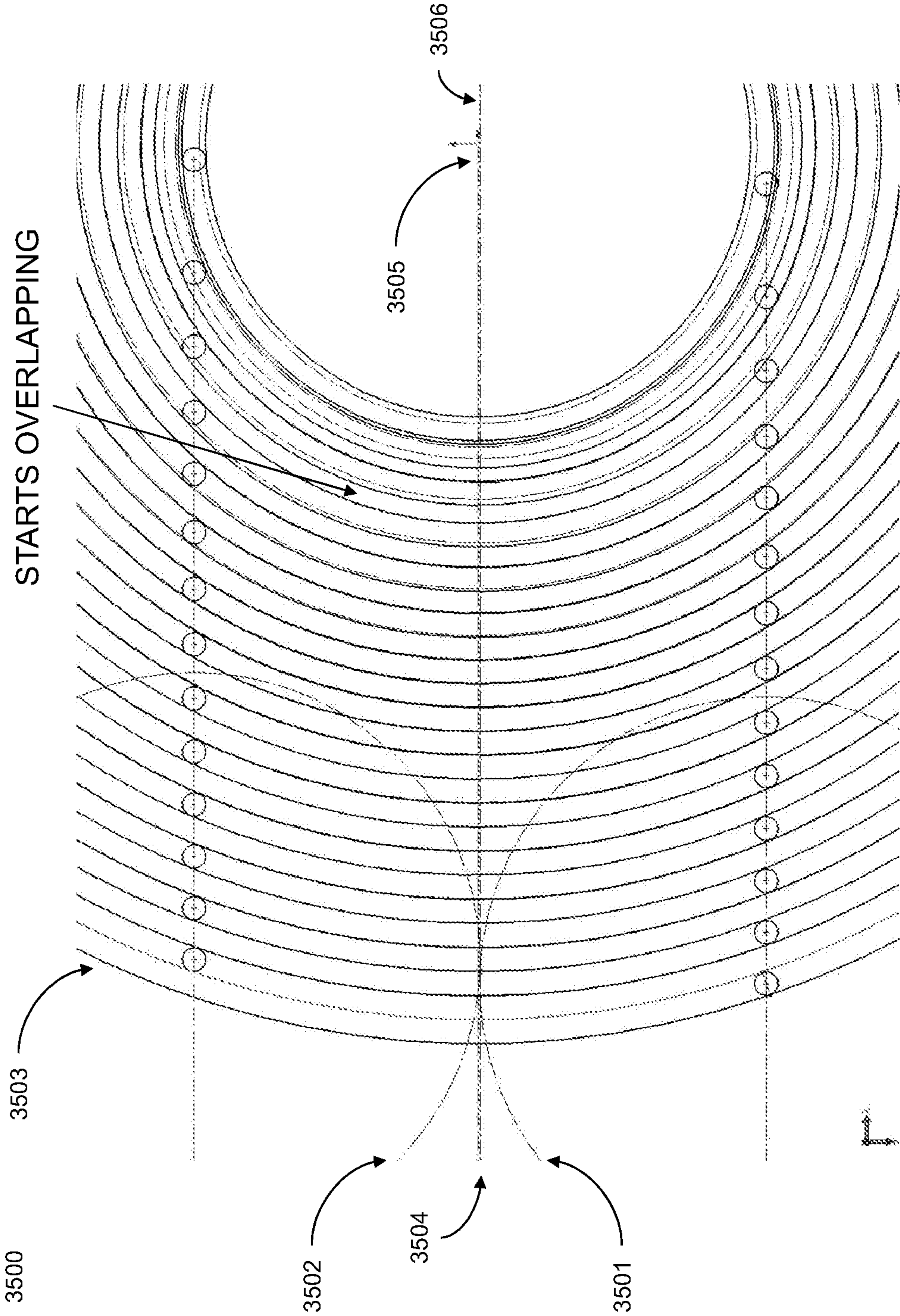


FIG. 35B

OFFSET BY ONE RING (VERT LINES)

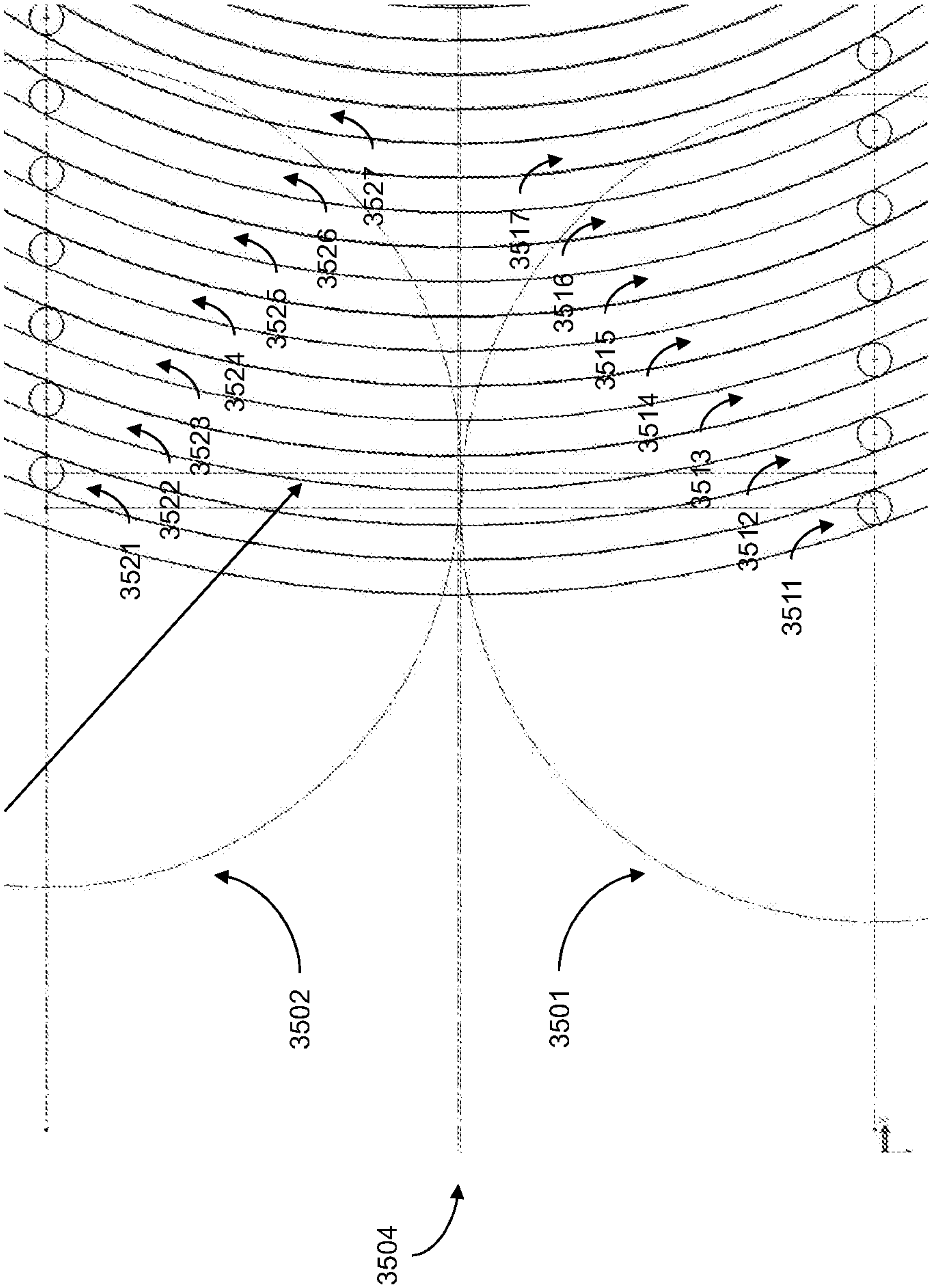


FIG. 35C

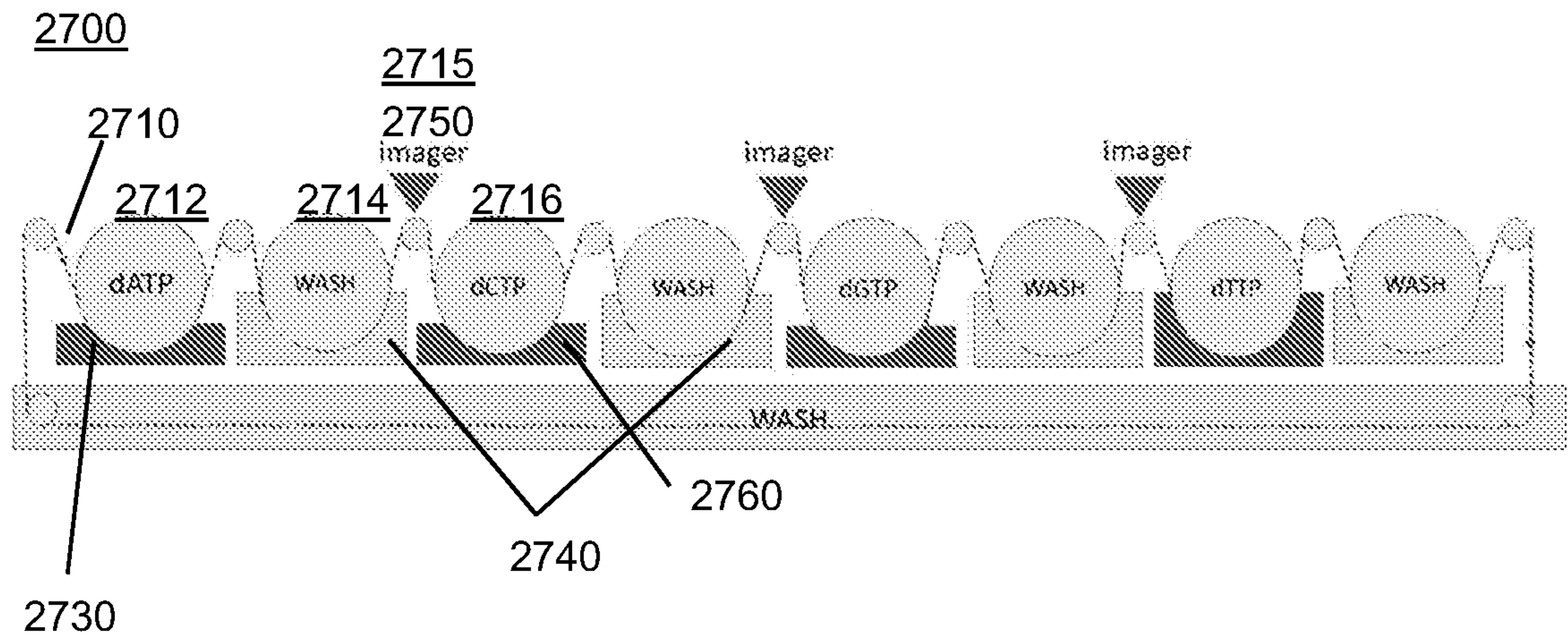


FIG. 36A

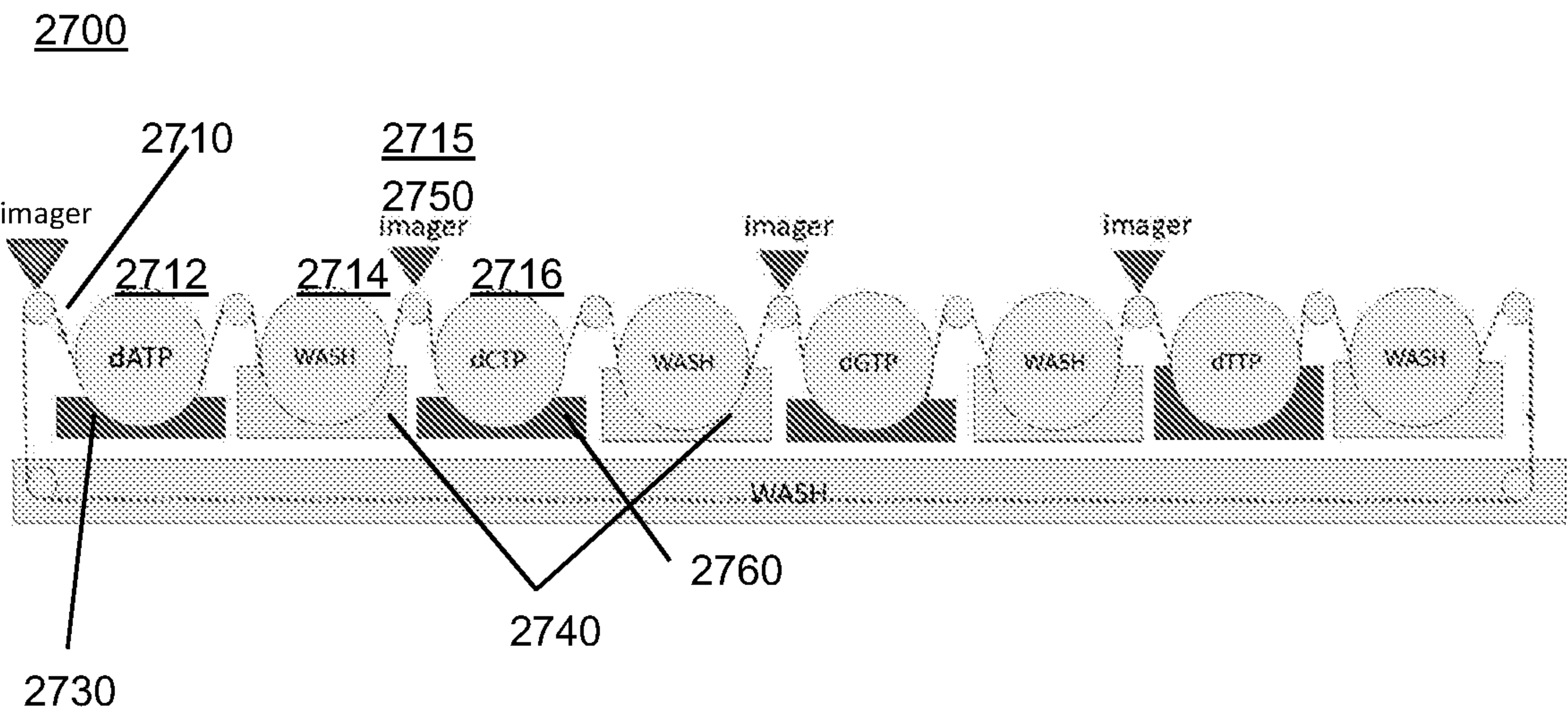


FIG. 36B



FIG. 37A

FIG. 37B

FIG. 37C

FIG. 37D

FIG. 37E

FIG. 37F

FIG. 37G

FIG. 38A

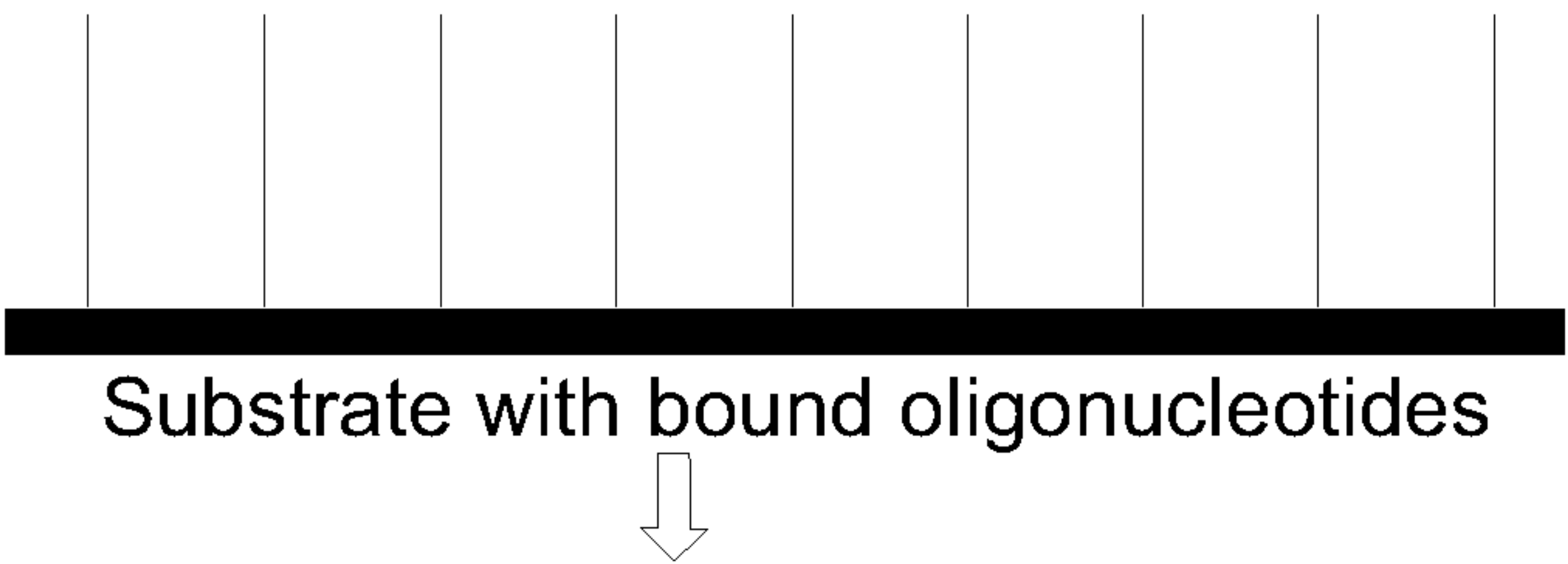


FIG. 38B

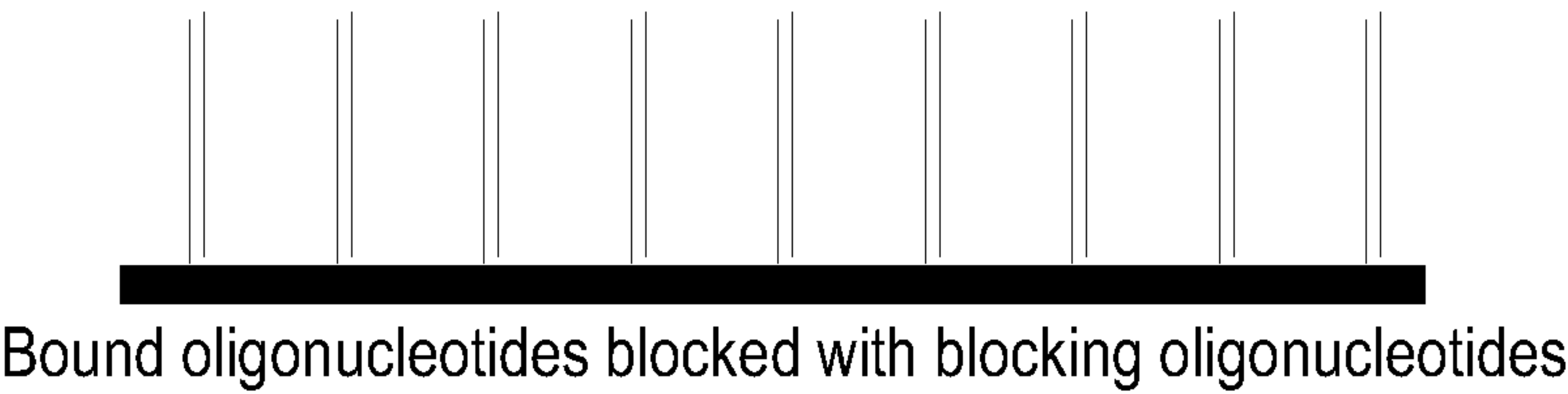


FIG. 38C

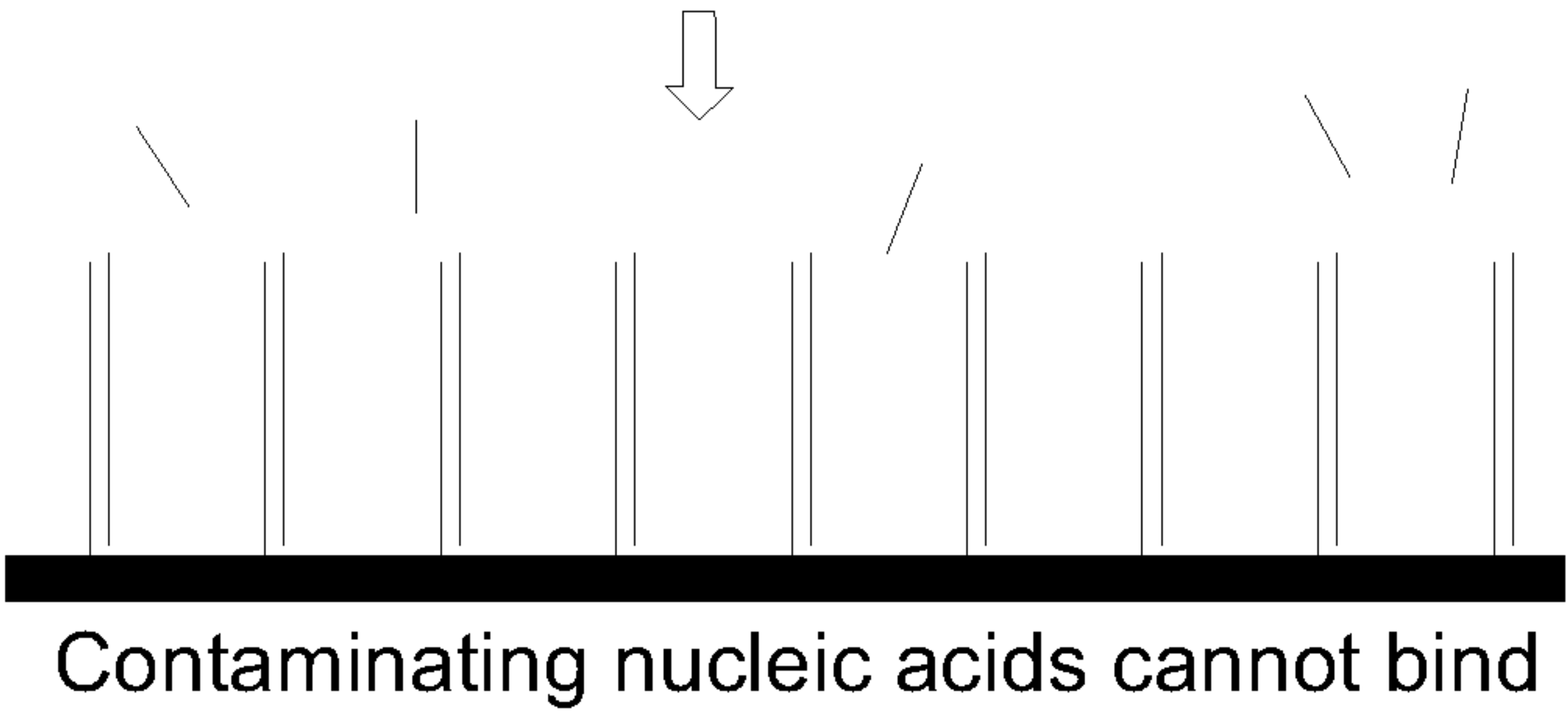
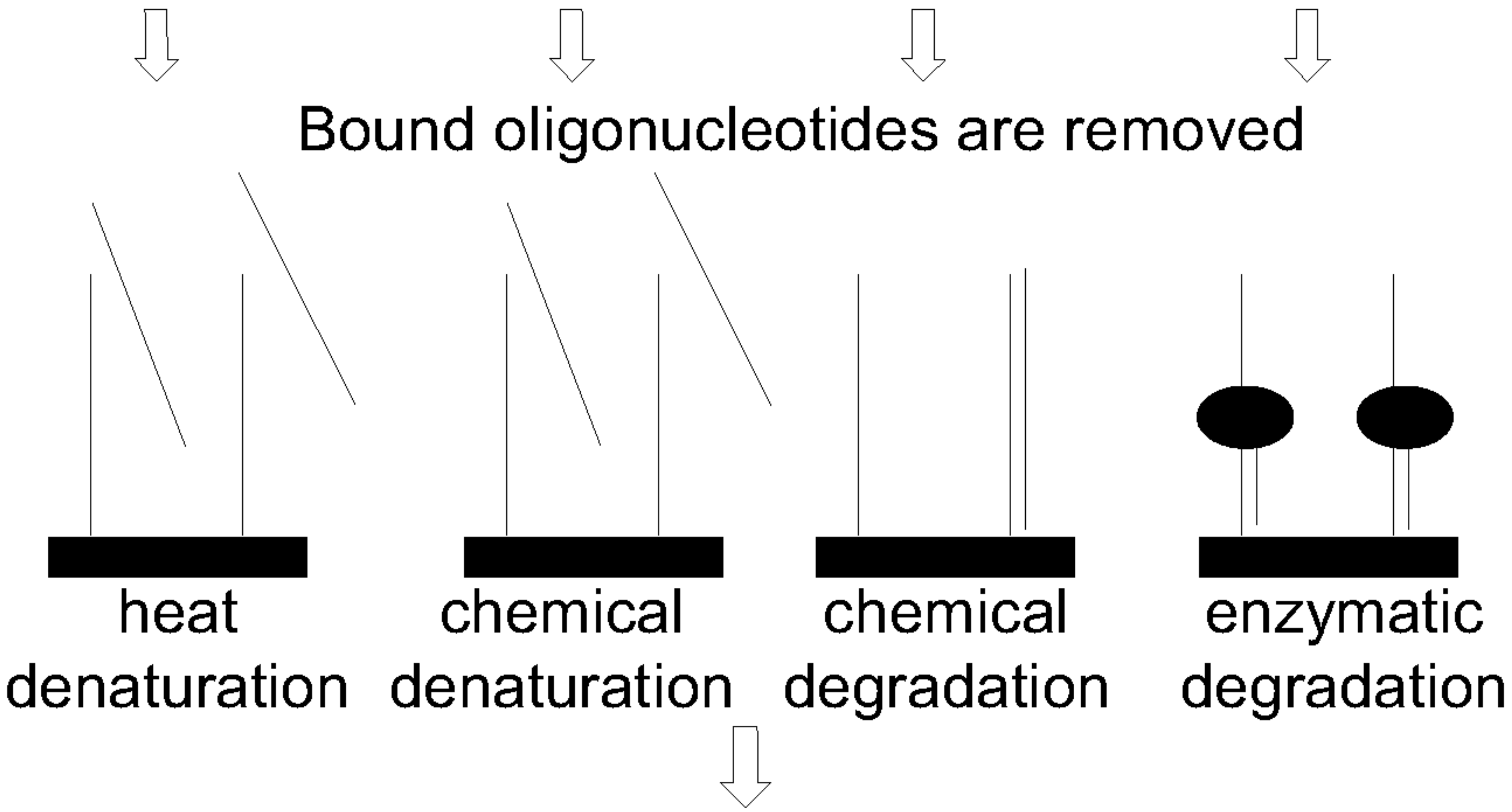


FIG. 38D



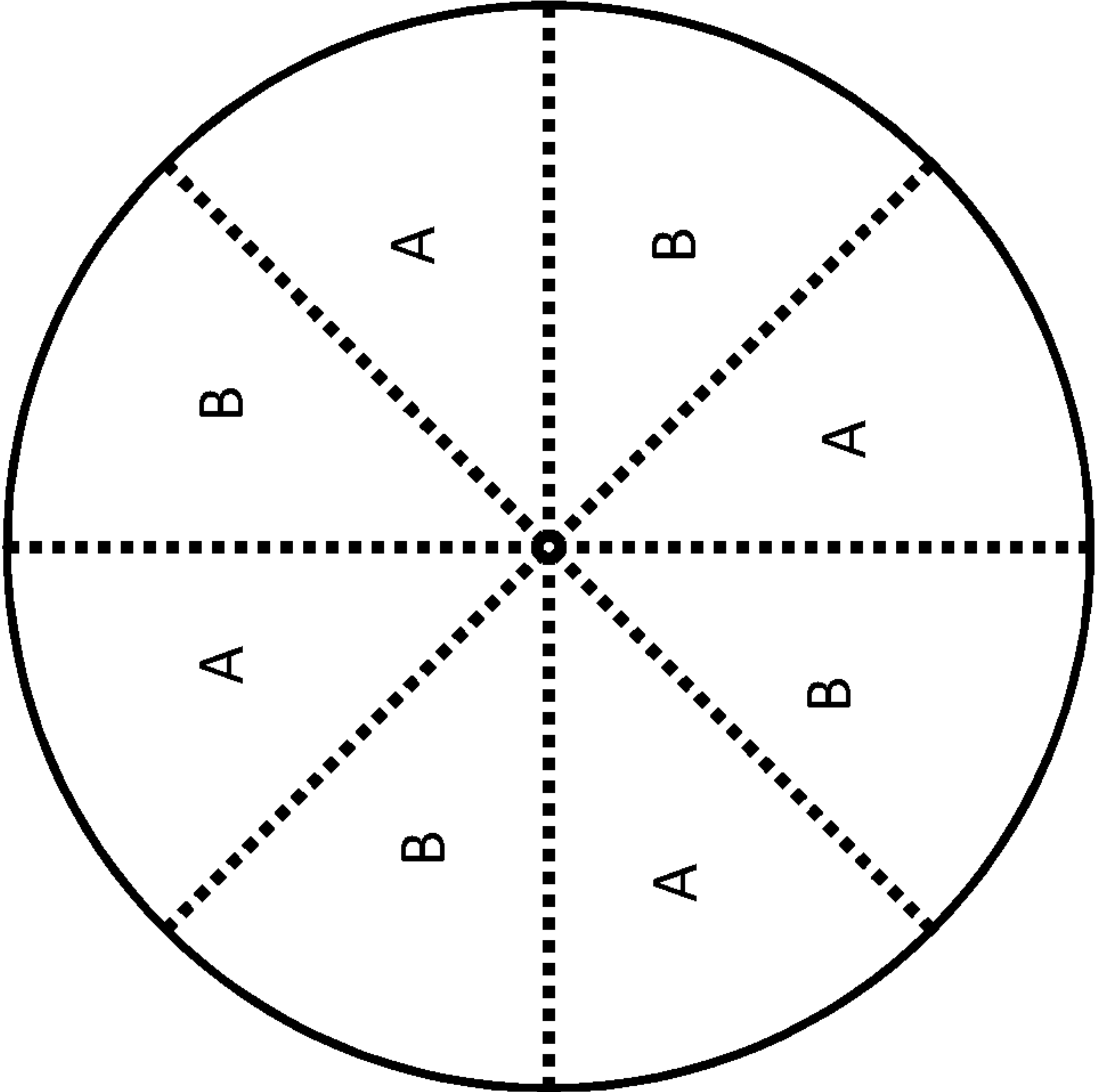


FIG. 39A

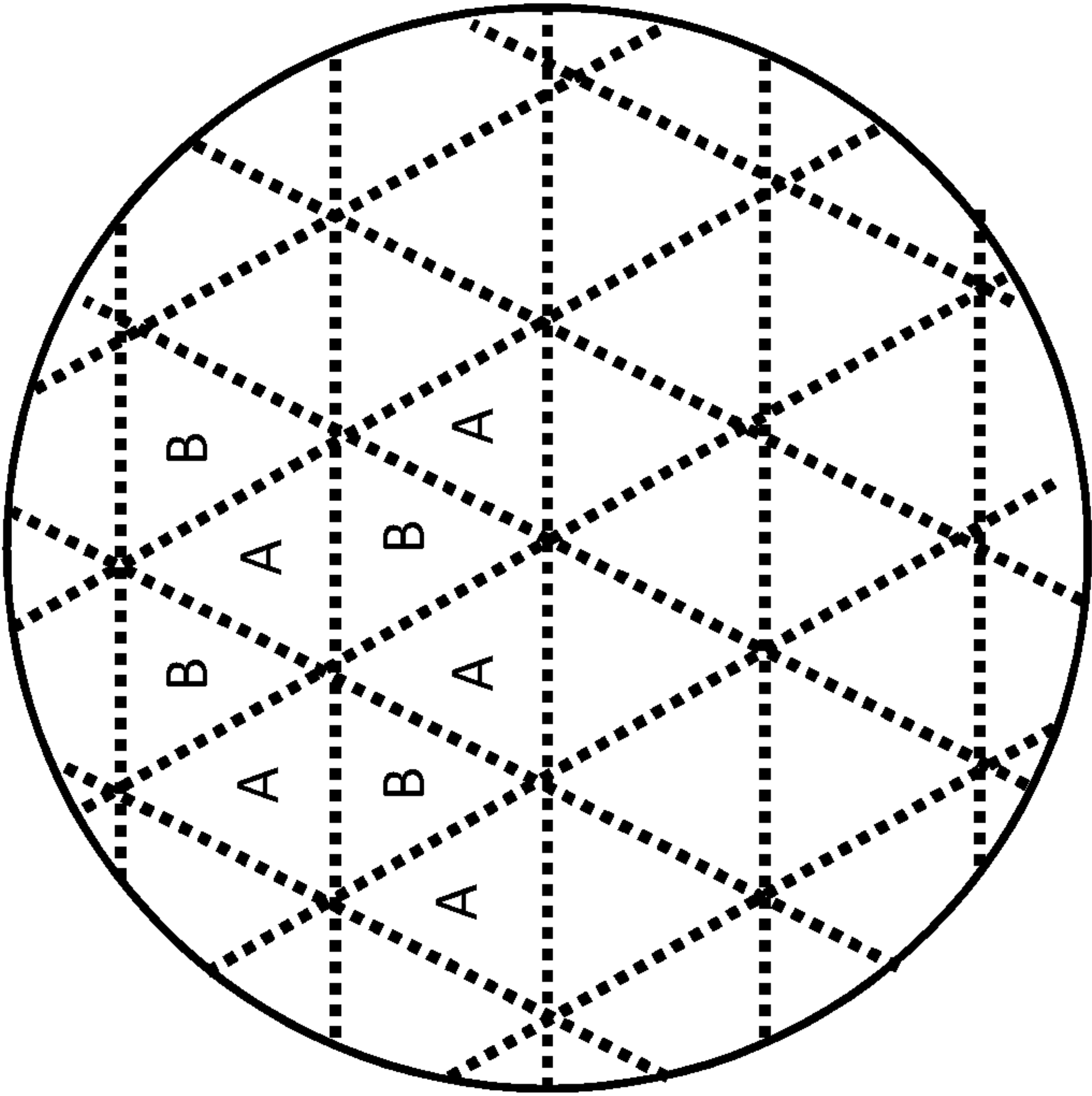


FIG. 39B

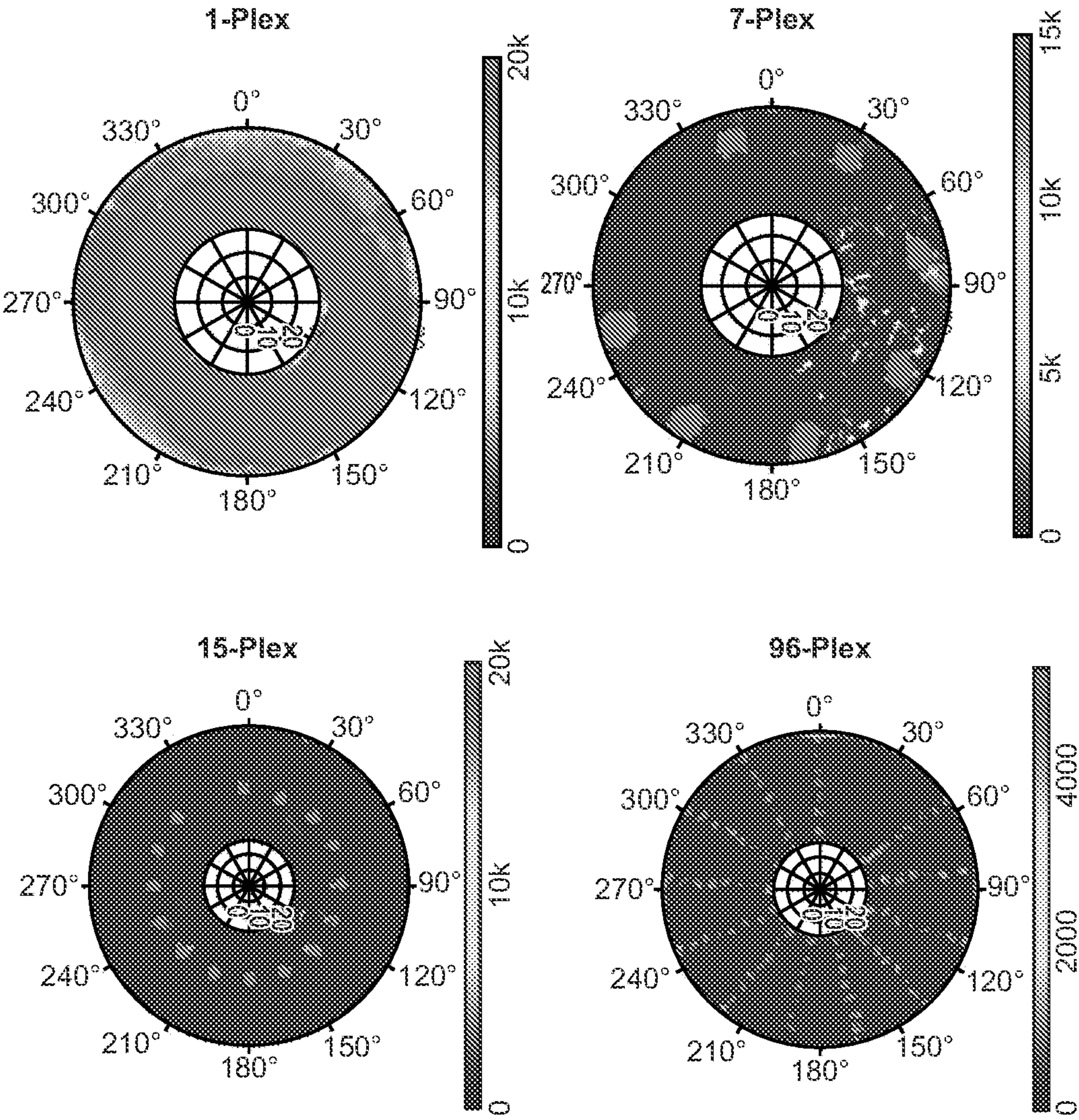


FIG. 40

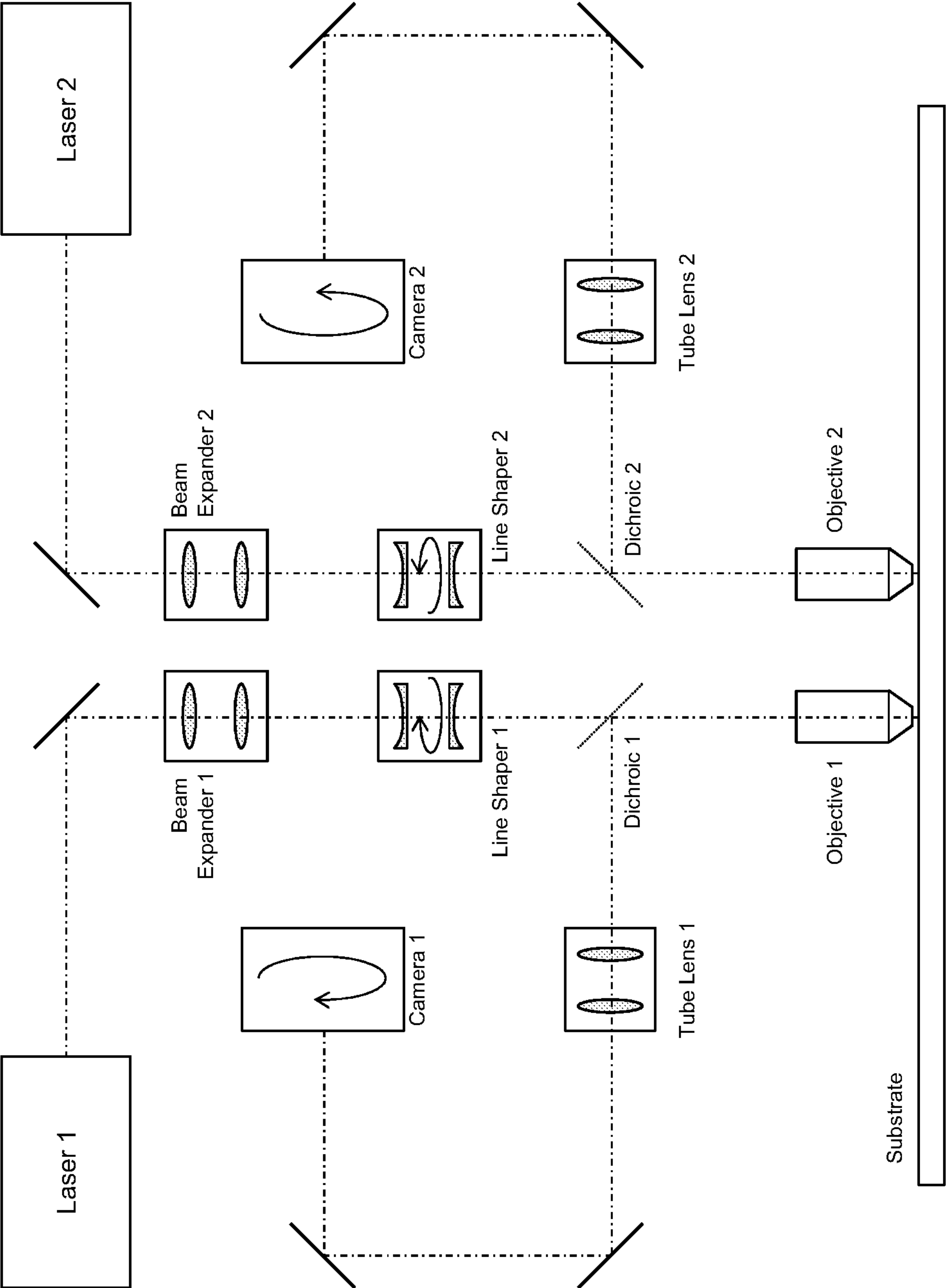


FIG. 41

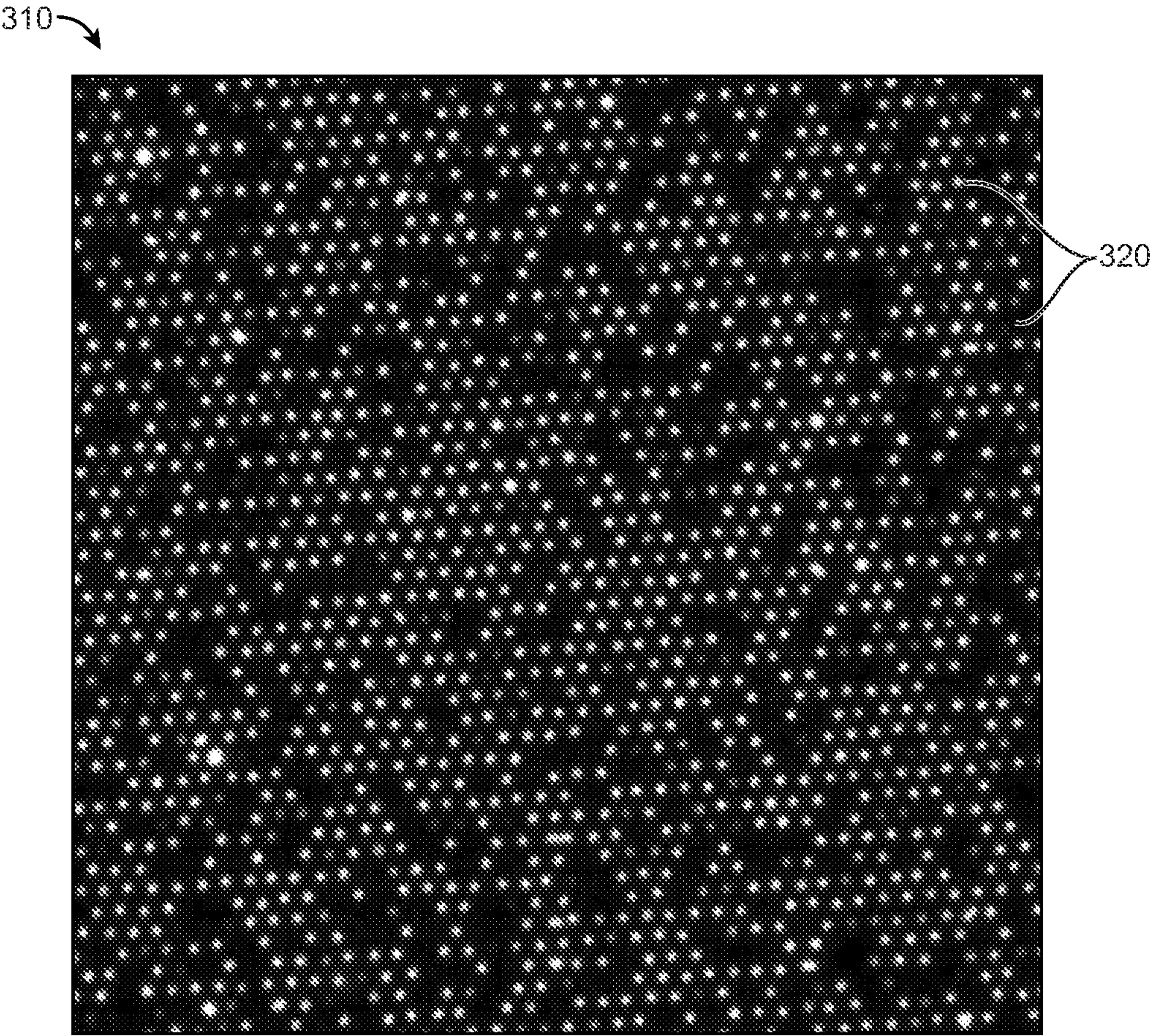


FIG. 42

2300

Run statistics: for X23 230109 on UG15 analysis server, expected raw bases 50x2.5x183M = 29GBp

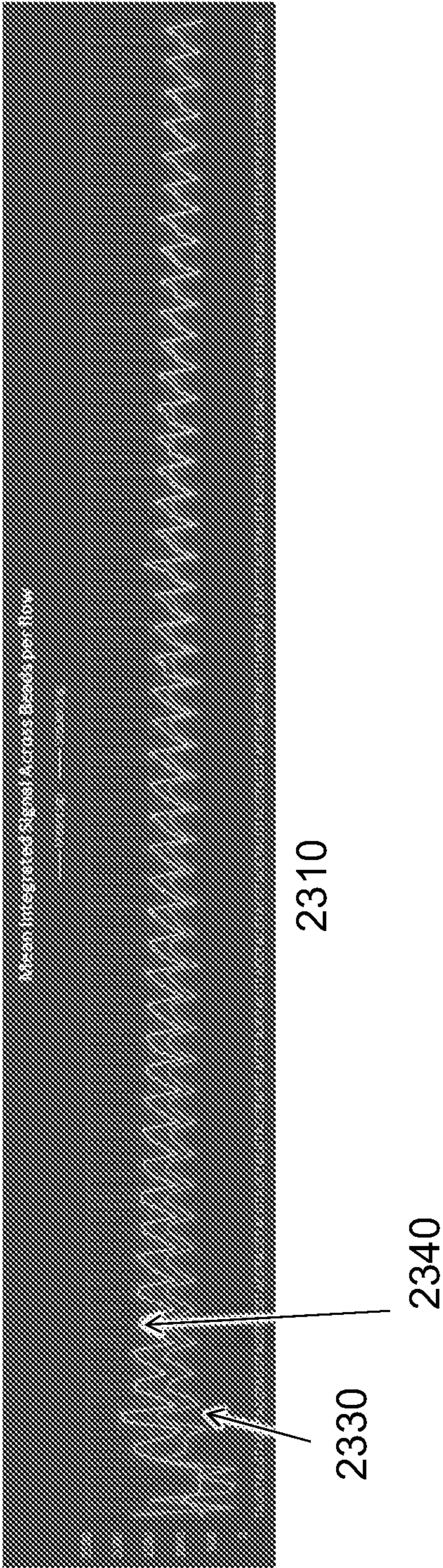


FIG. 43

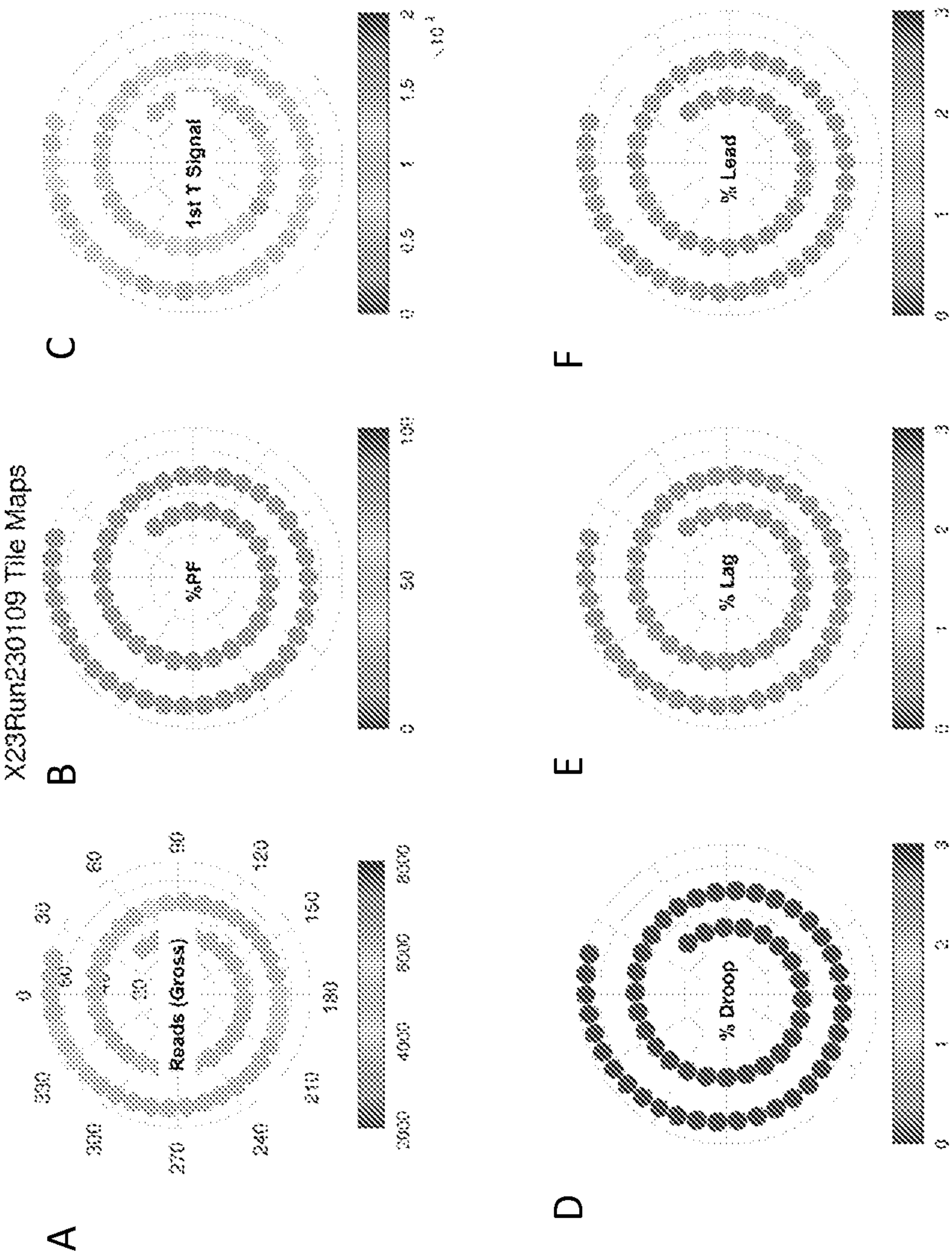


FIG. 44

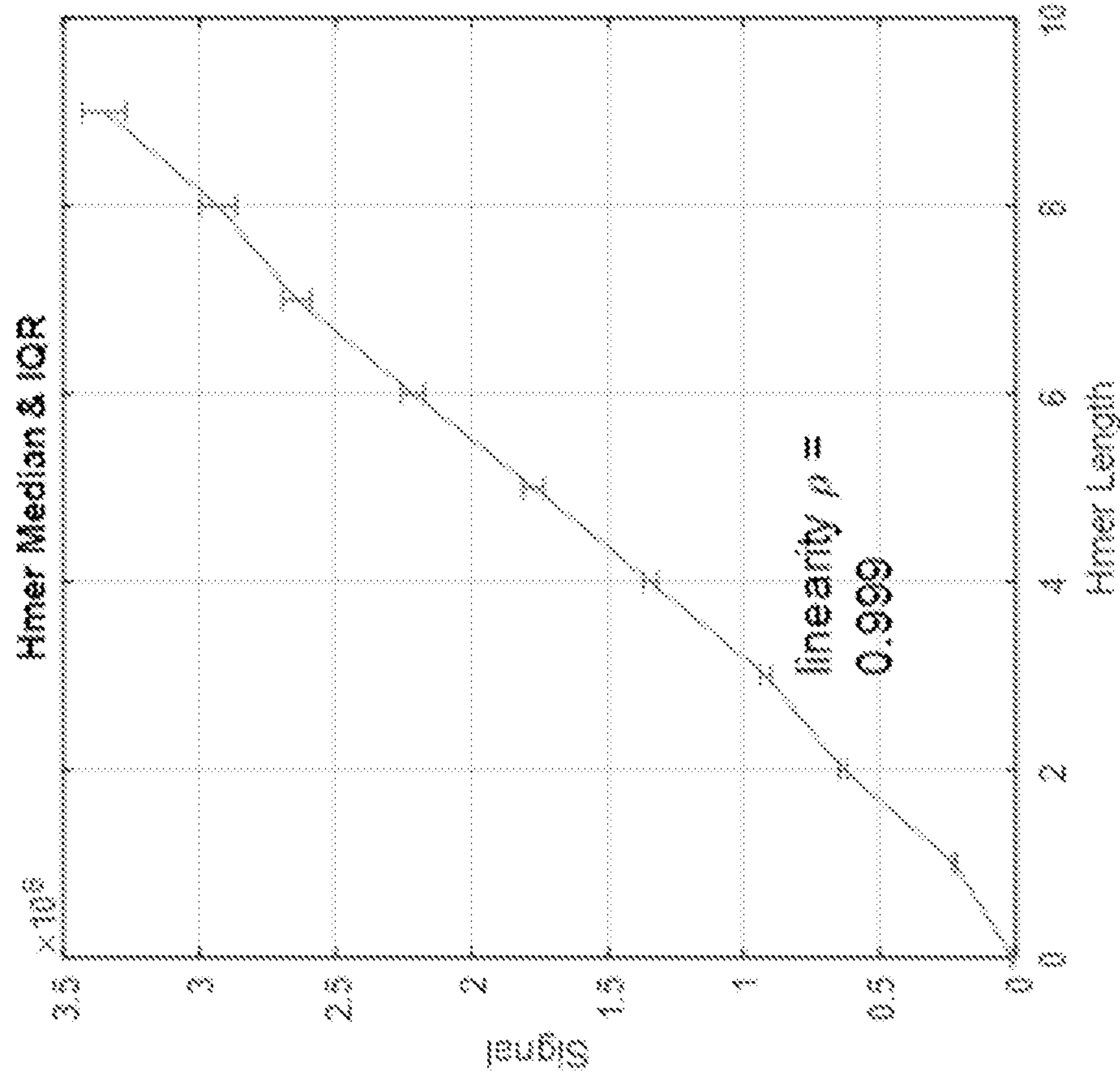


FIG. 45A

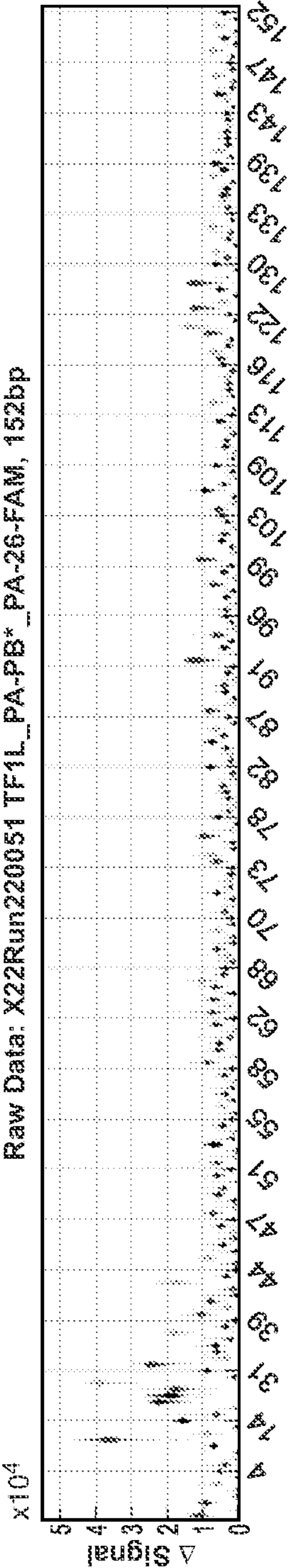


FIG. 45B

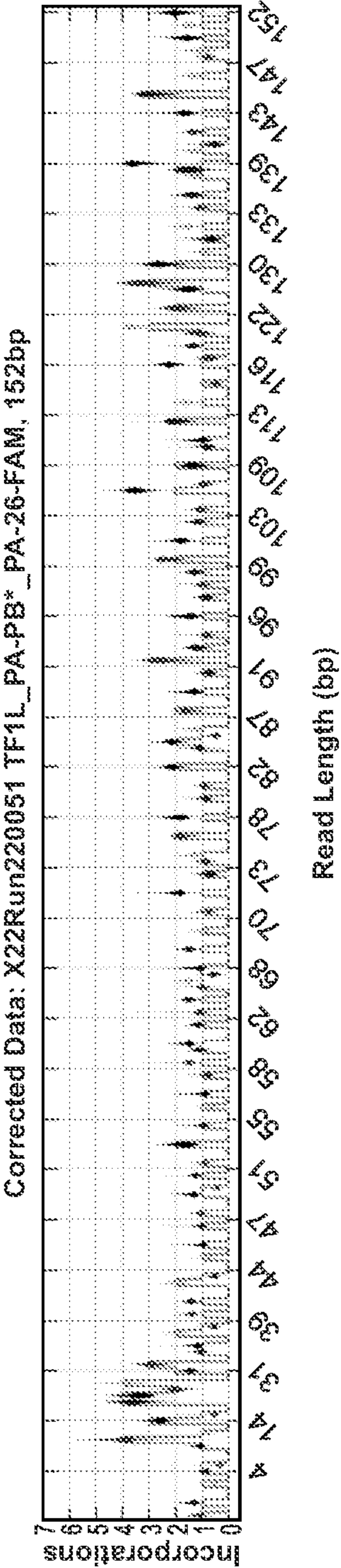


FIG. 45C

FIG. 46A

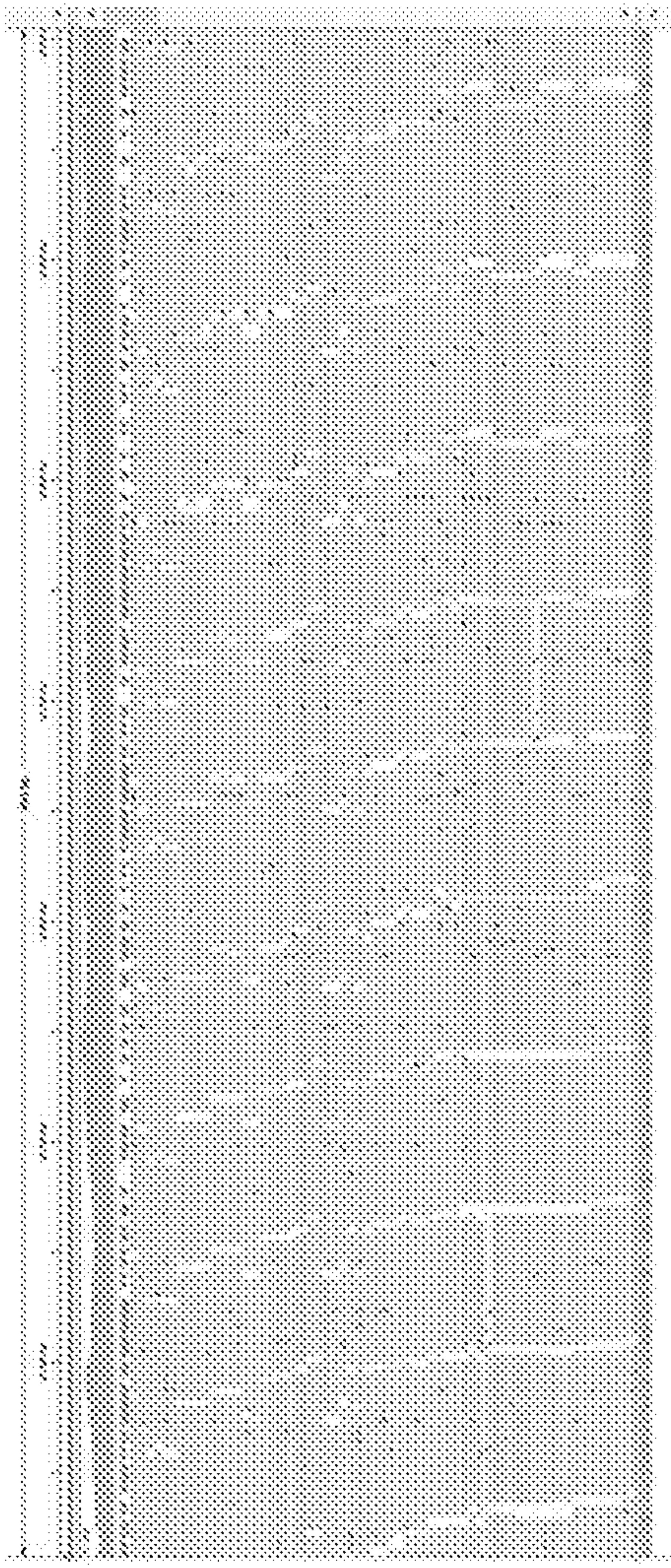
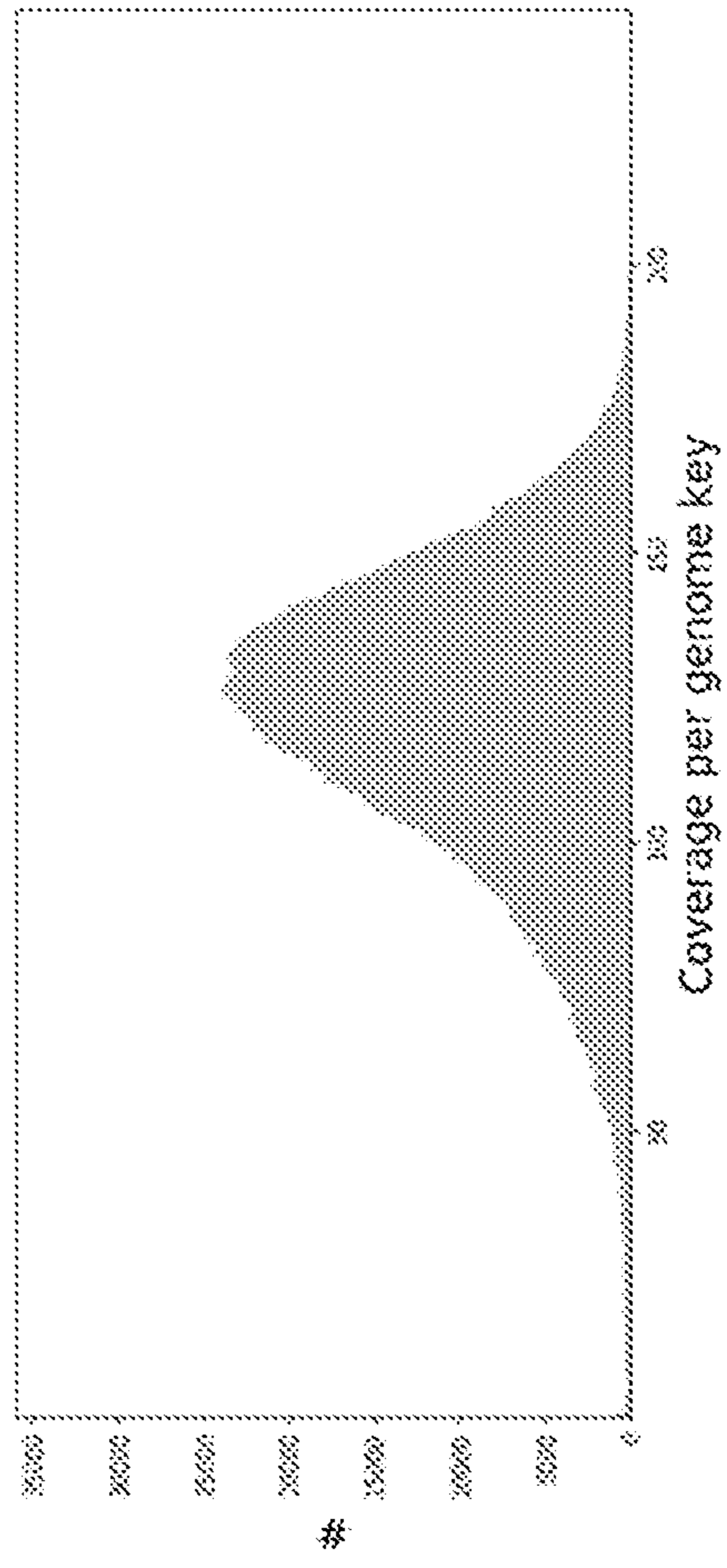


FIG. 46B



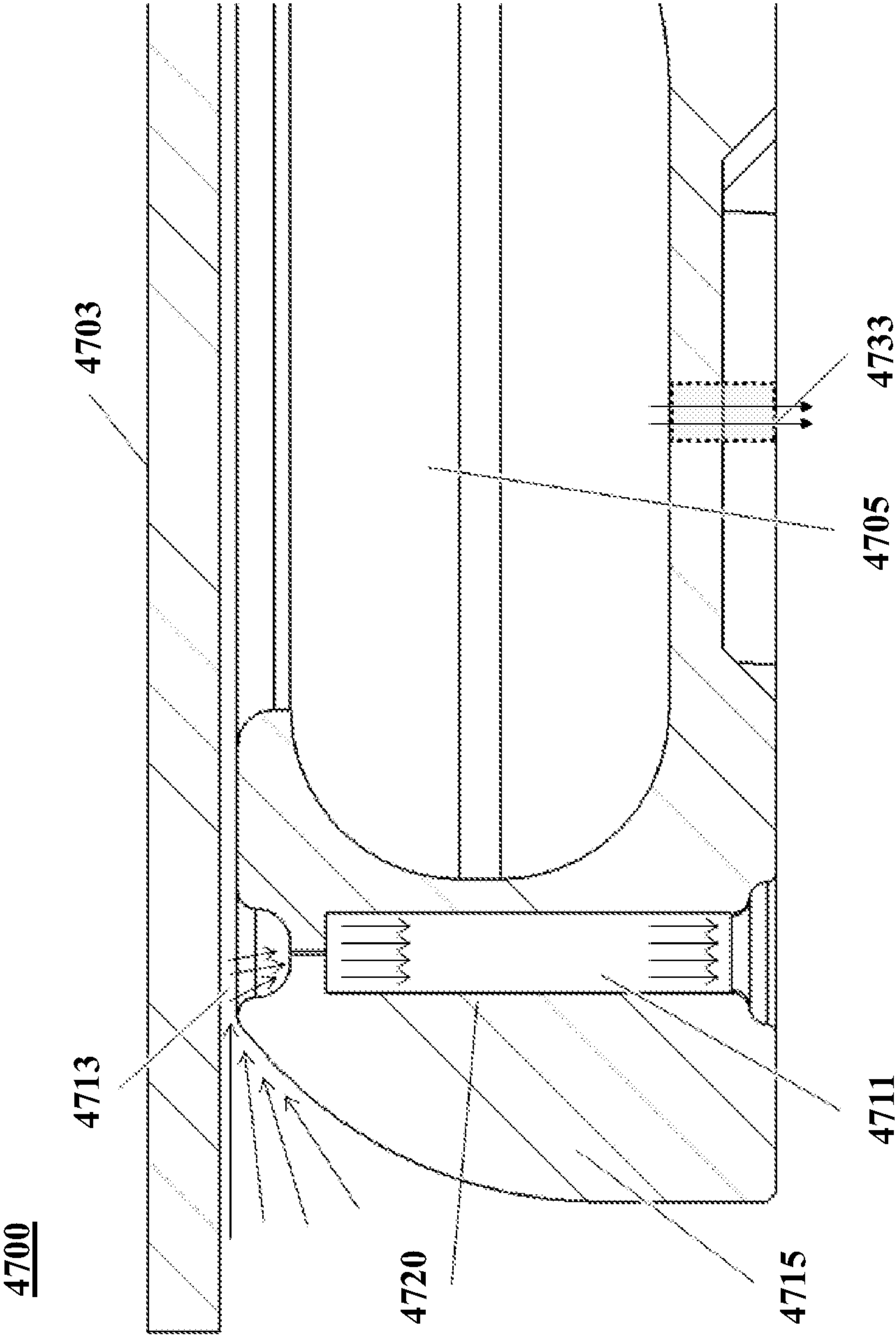


FIG. 47A

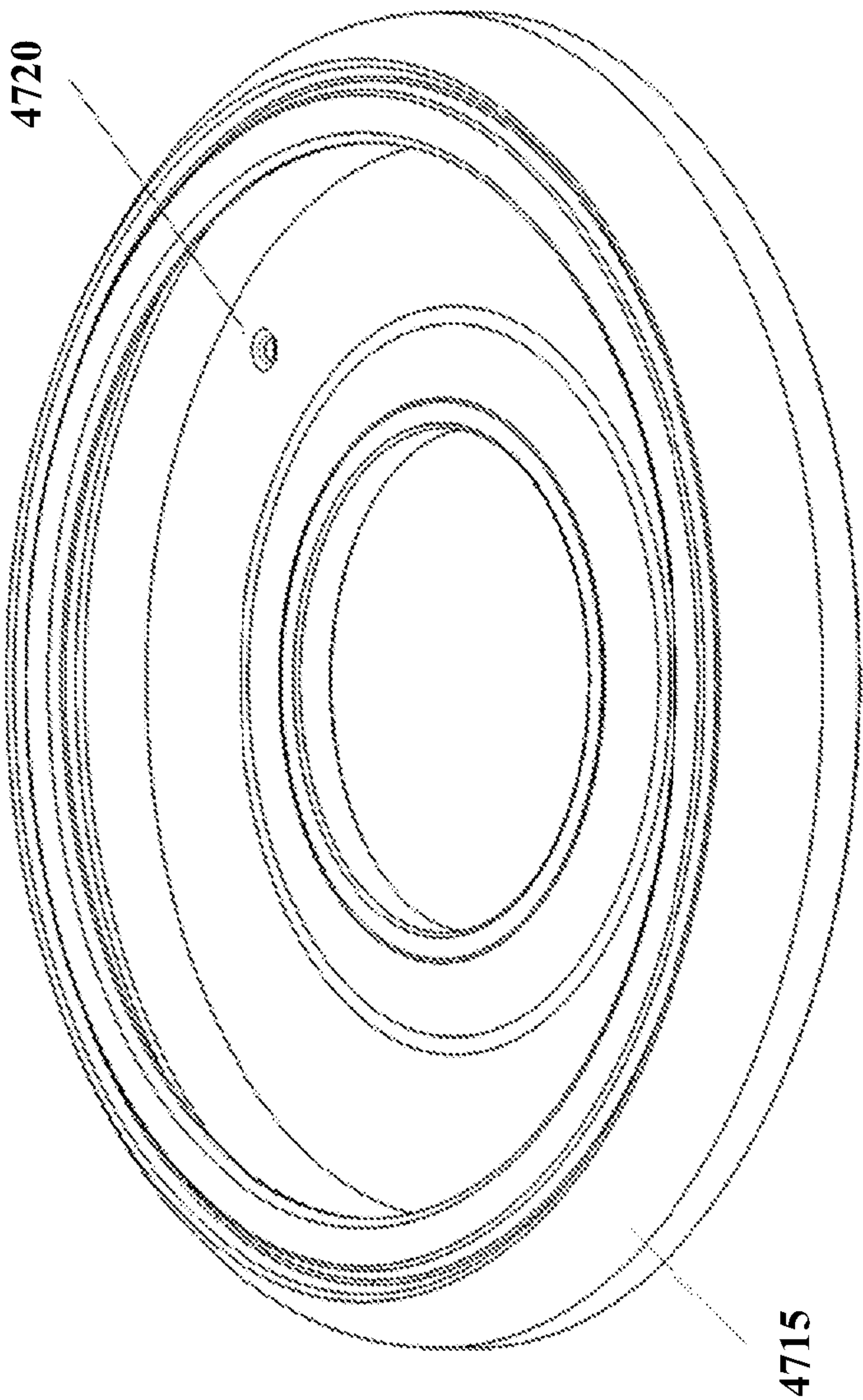


FIG. 47B

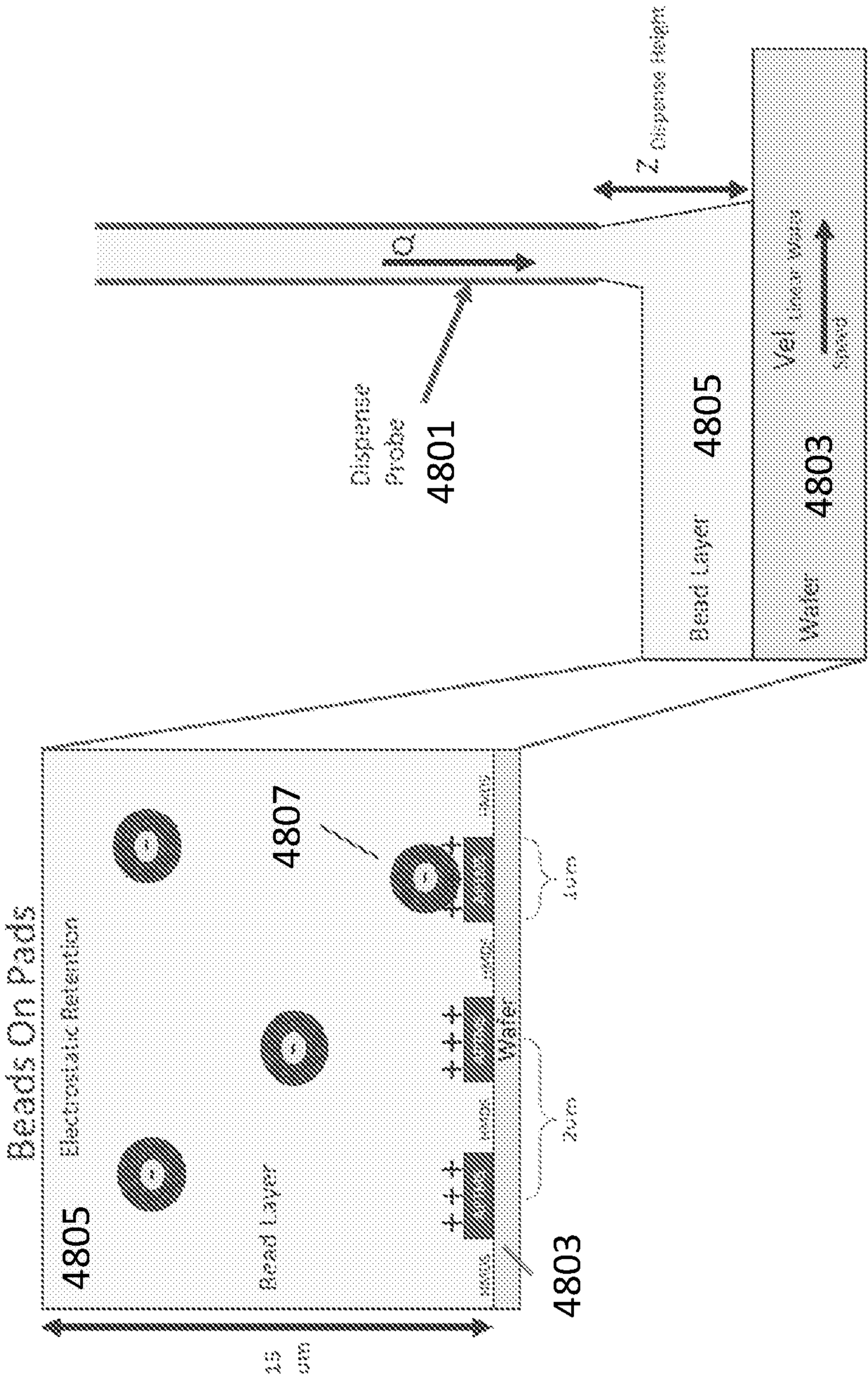


FIG. 48

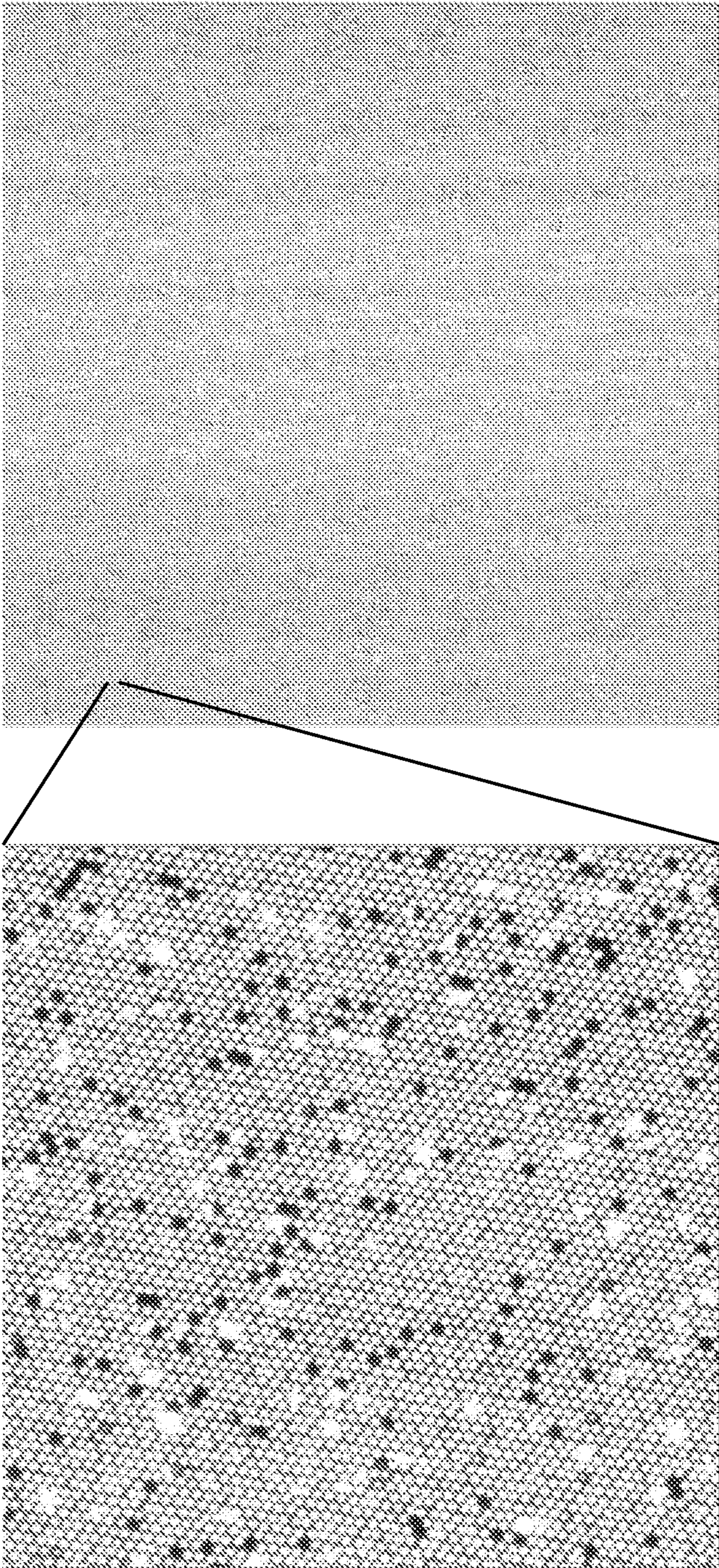


FIG. 49

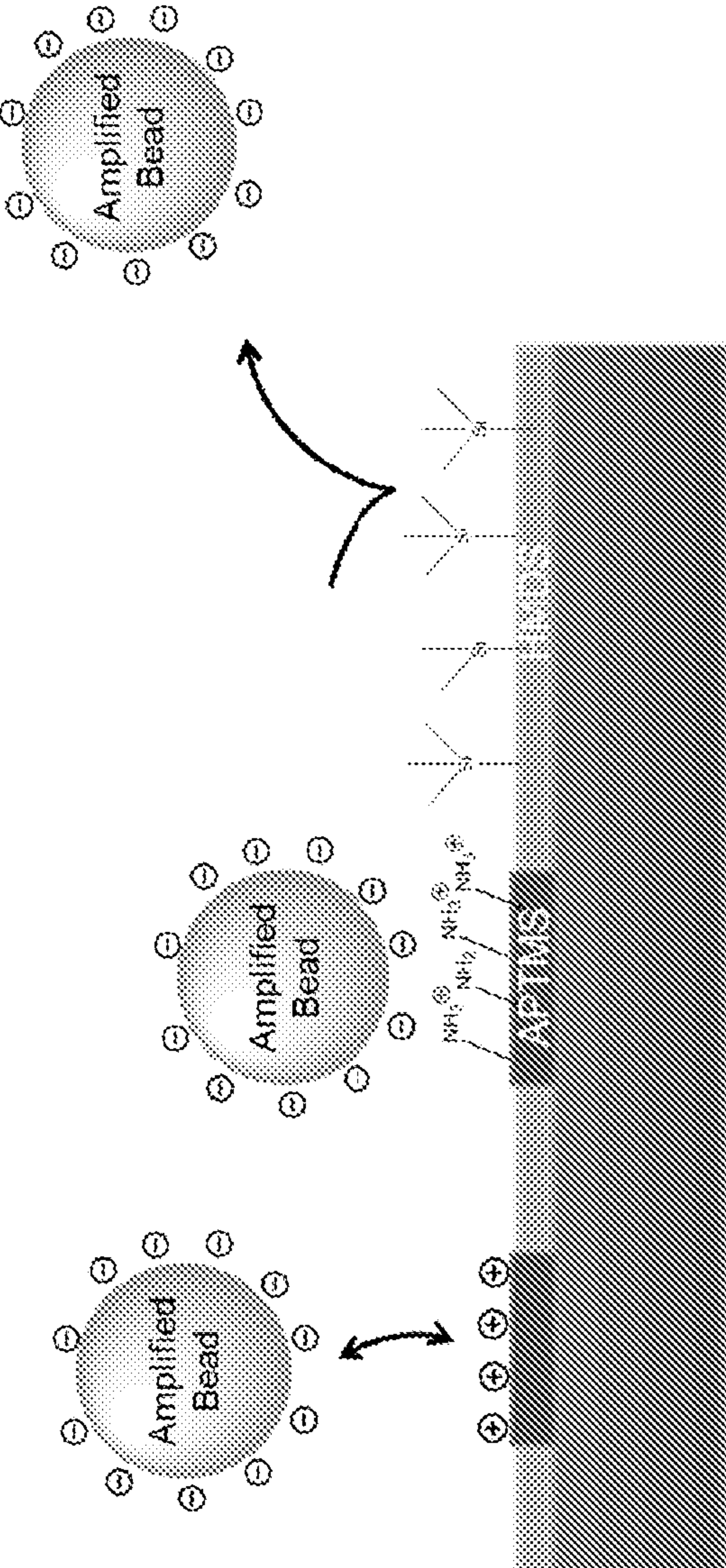


FIG. 50A

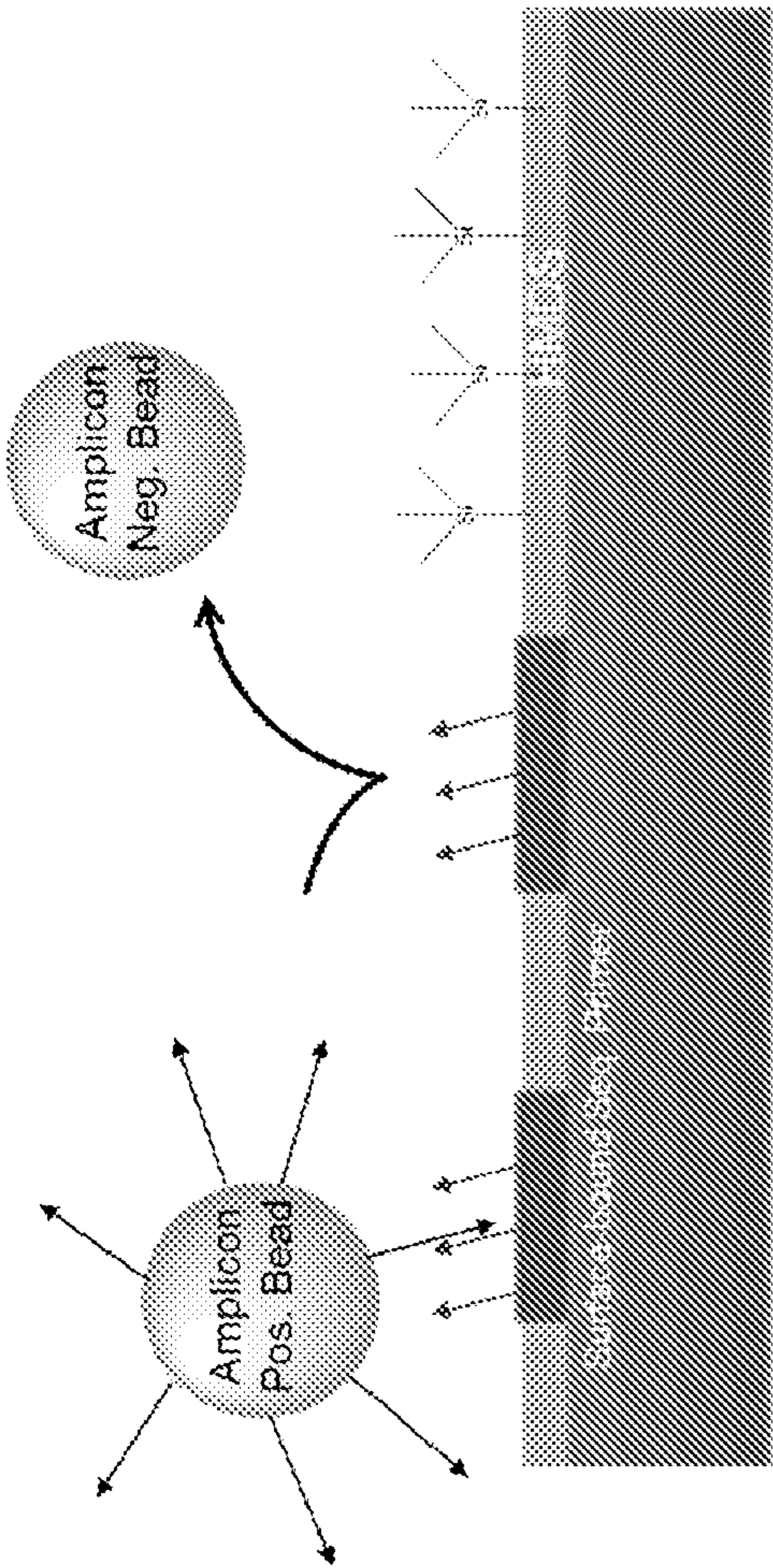


FIG. 50B

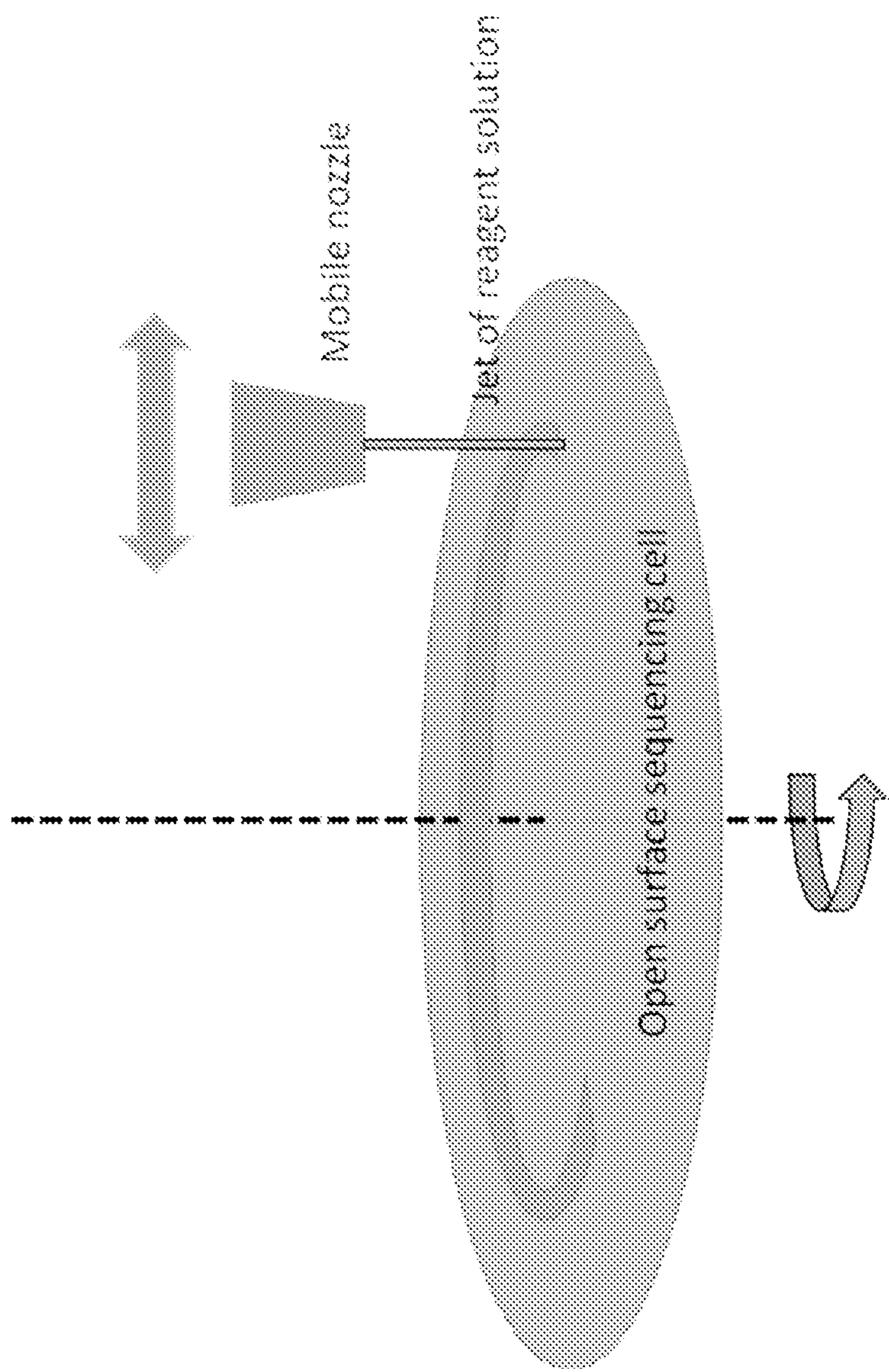


FIG. 51