

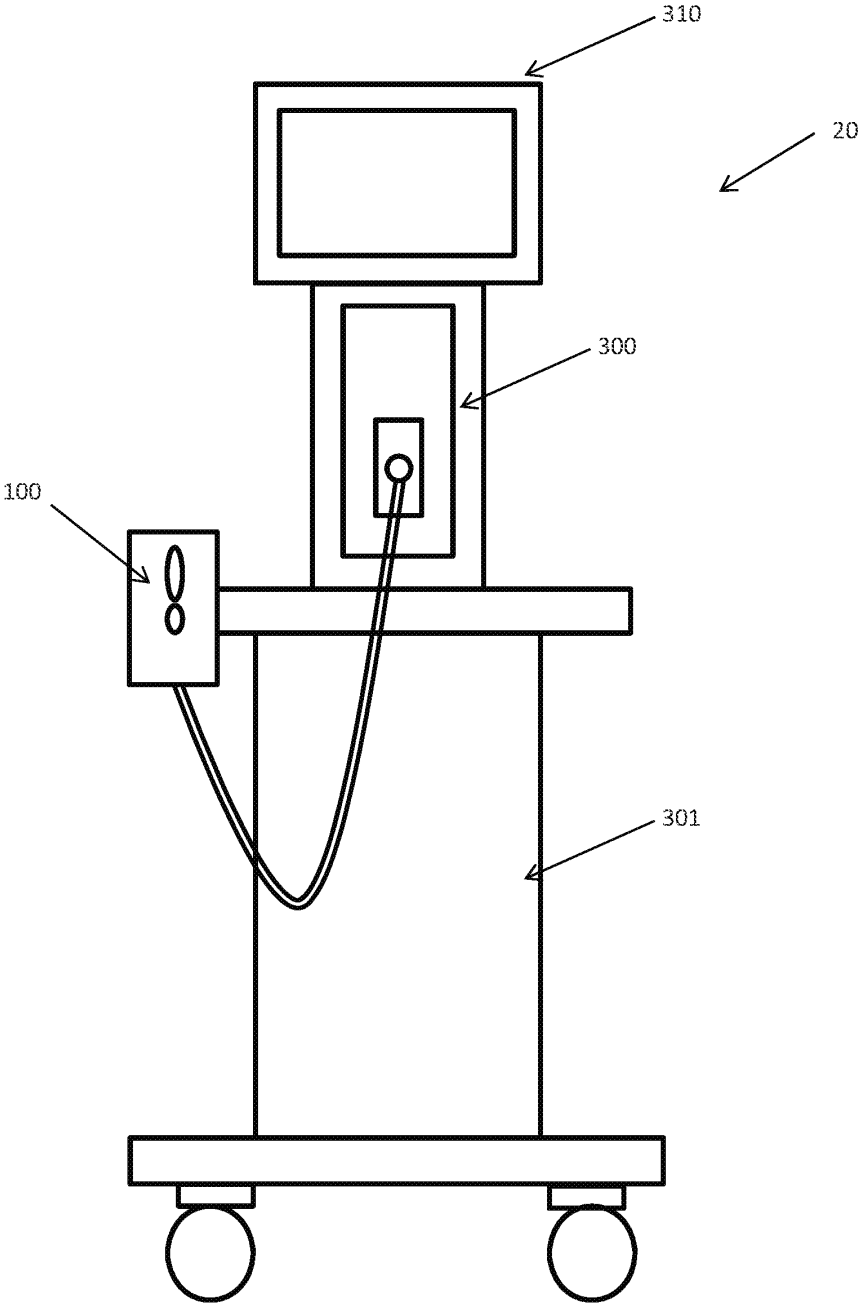
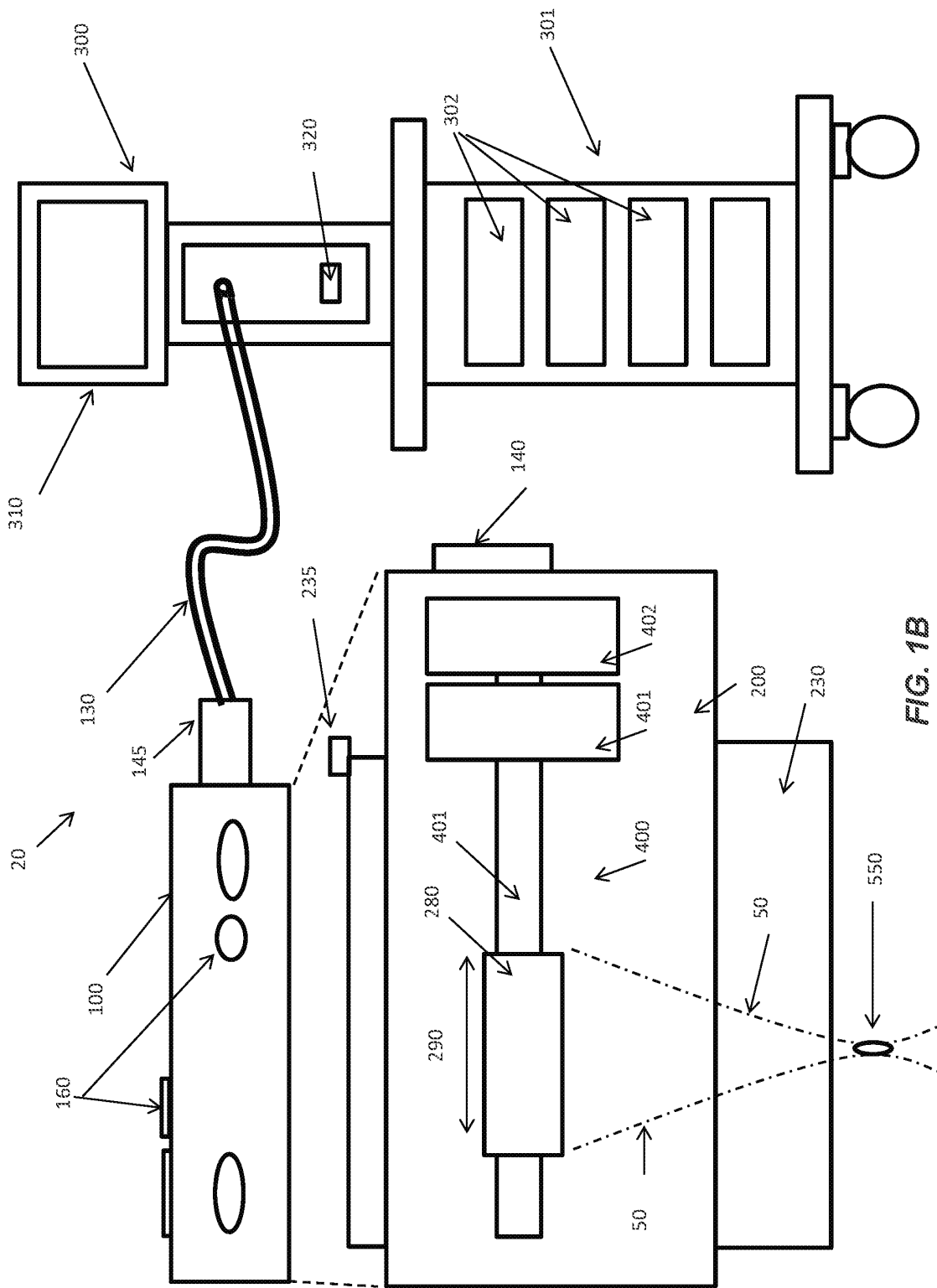


FIG. 1A



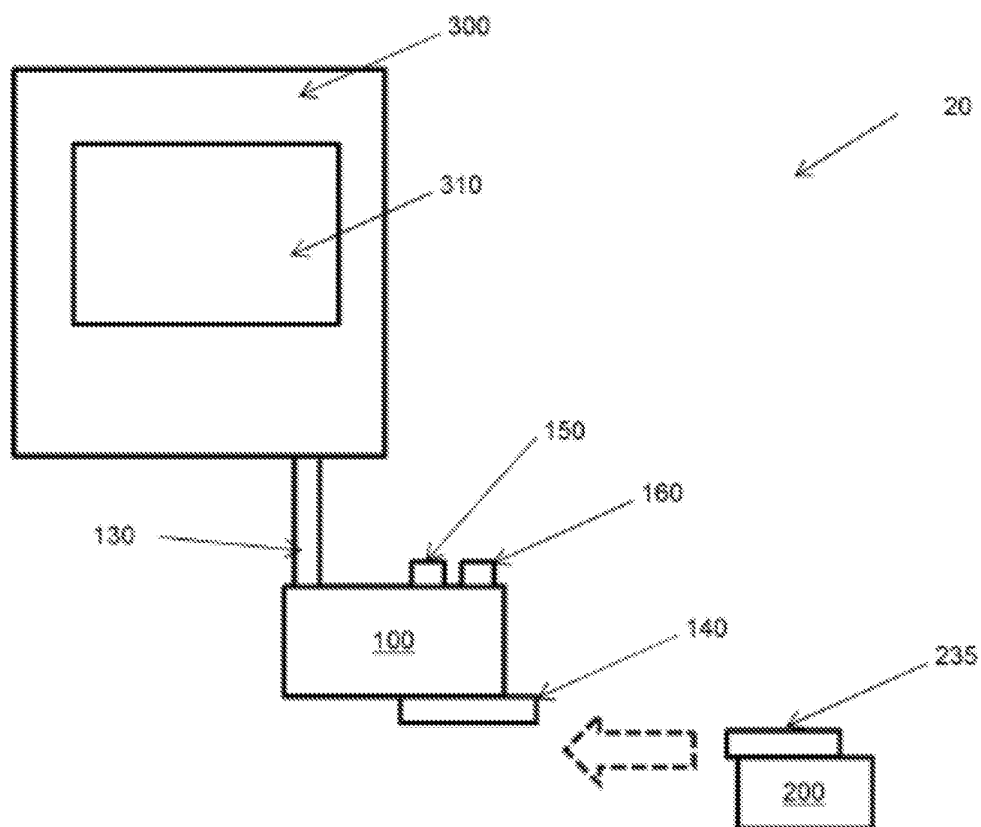


FIG. 1C

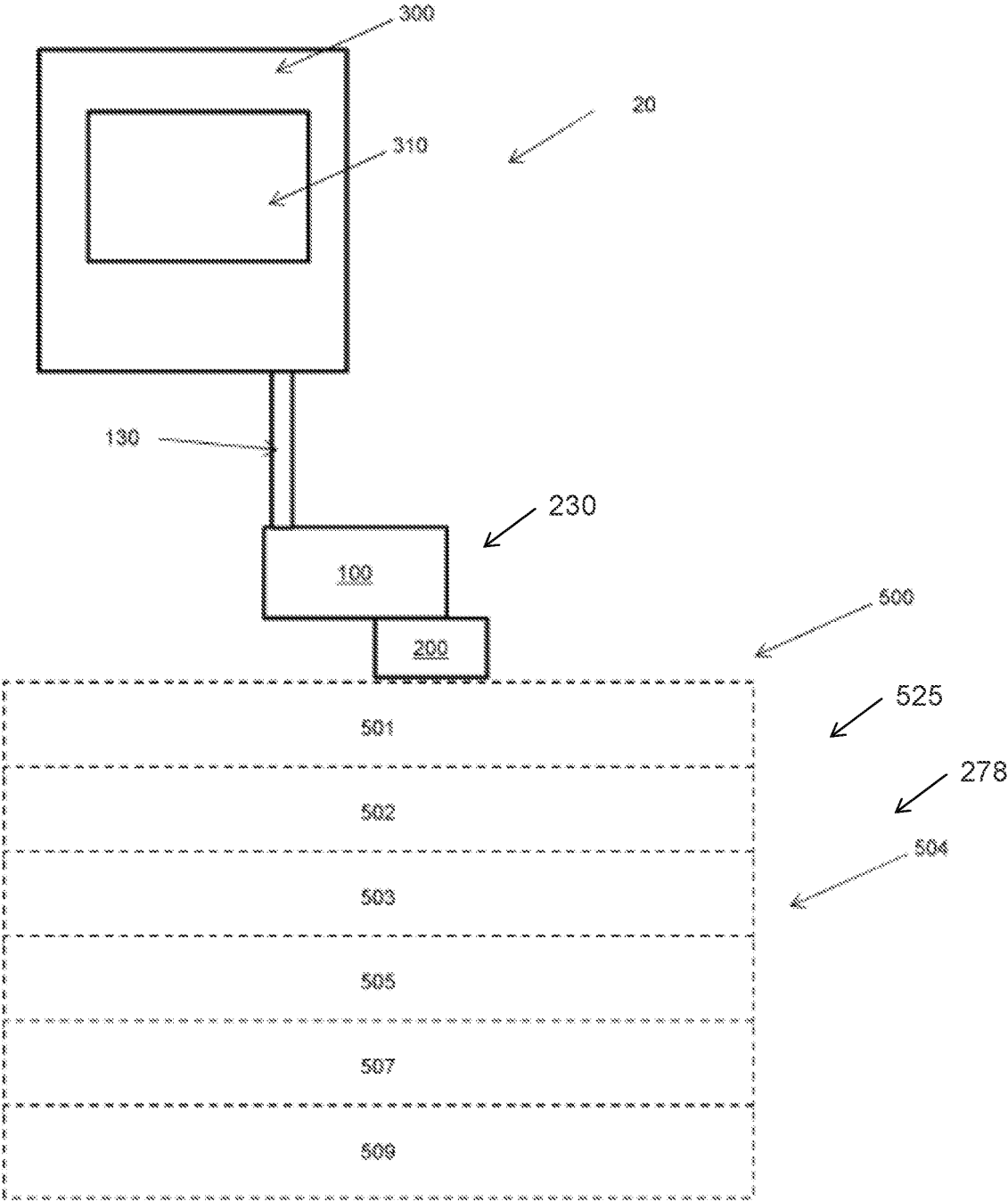


FIG. 2

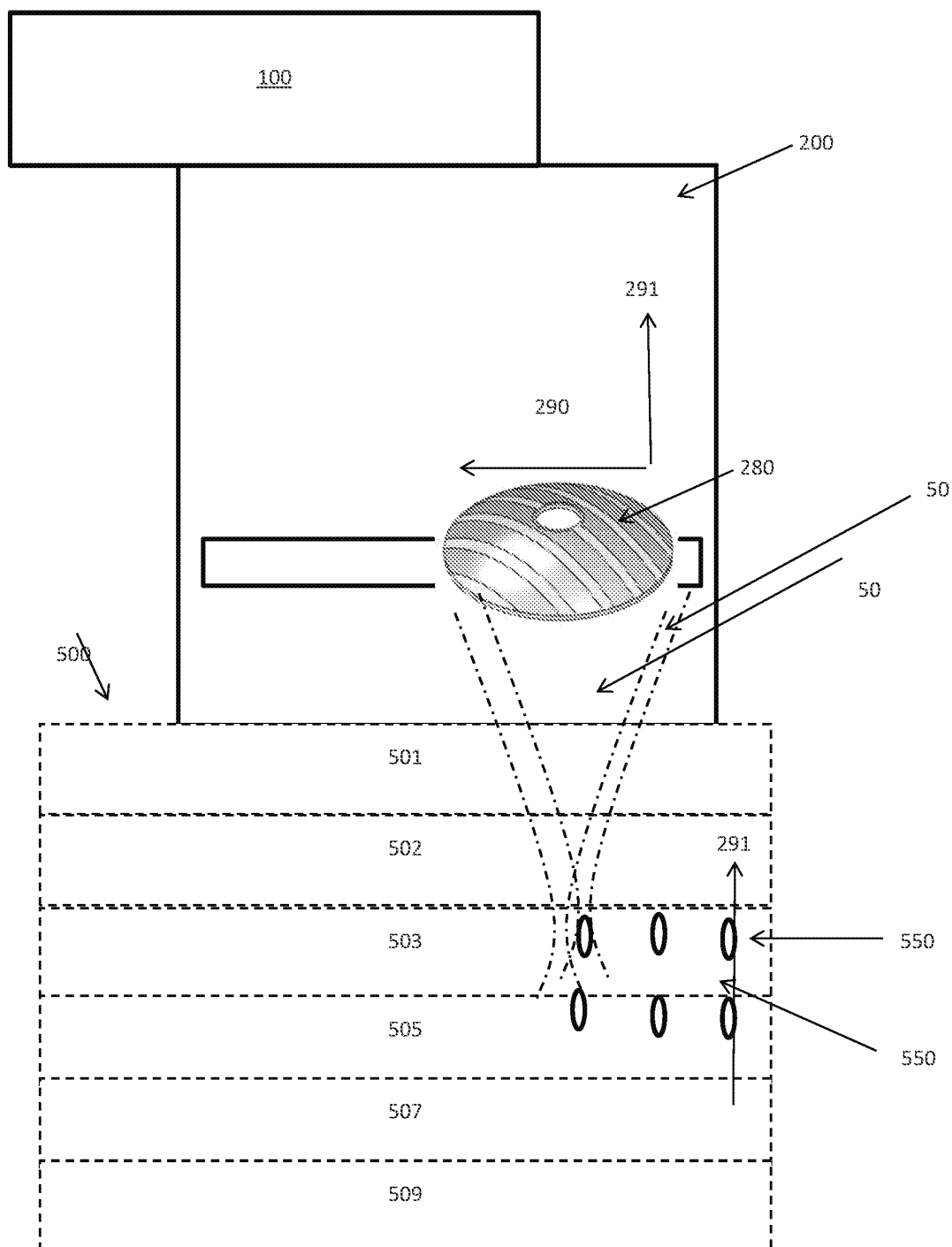


FIG. 3

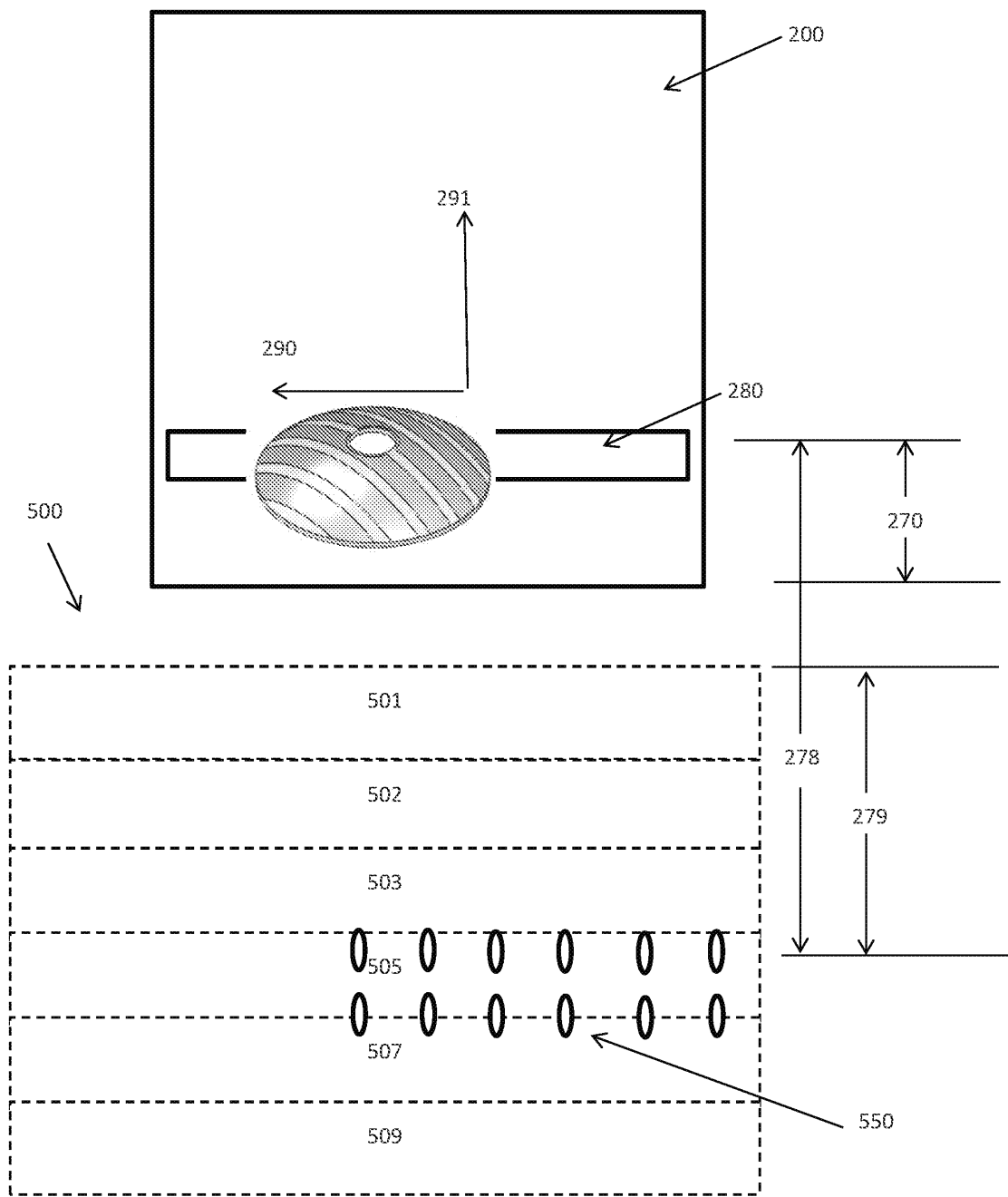


FIG. 4

TABLE 4												
$k_x = 0.5 \text{ mm}^{-1}$				$k_x = 1.0 \text{ mm}^{-1}$				$k_x = 1.5 \text{ mm}^{-1}$				$k_x = 2.0 \text{ mm}^{-1}$
f [MHz]	spacing [mm]	spread [mm]		spacing [mm]	spread [mm]		spacing [mm]	spread [mm]		spacing [mm]	spread [mm]	spread [mm]
2.5	1.43	0.72		2.86	1.43		4.30	2.15		5.73	2.86	
2.75	1.30	0.59		2.60	1.17		3.91	1.76		5.21	2.34	
3	1.19	0.48		2.39	0.95		3.58	1.43		4.77	1.91	
3.25	1.10	0.39		2.20	0.77		3.31	1.16		4.41	1.54	
3.5	1.02	0.31		2.05	0.61		3.07	0.92		4.09	1.23	
3.75	0.95	0.24		1.91	0.48		2.86	0.72		3.82	0.95	
4	0.90	0.18		1.79	0.36		2.69	0.54		3.58	0.72	
4.25	0.84	0.13		1.69	0.25		2.53	0.38		3.37	0.51	
4.5	0.80	0.08		1.59	0.16		2.39	0.24		3.18	0.32	
4.75	0.75	0.04		1.51	0.08		2.26	0.11		3.02	0.15	
5	0.72	0.00		1.43	0.00		2.15	0.00		2.86	0.00	
5.25	0.68	-0.03		1.36	-0.07		2.05	-0.10		2.73	-0.14	
5.5	0.65	-0.07		1.30	-0.13		1.95	-0.20		2.60	-0.26	
5.75	0.62	-0.09		1.25	-0.19		1.87	-0.28		2.49	-0.37	
6	0.60	-0.12		1.19	-0.24		1.79	-0.36		2.39	-0.48	
6.25	0.57	-0.14		1.15	-0.29		1.72	-0.43		2.29	-0.57	
6.5	0.55	-0.17		1.10	-0.33		1.65	-0.50		2.20	-0.66	
6.75	0.53	-0.19		1.06	-0.37		1.59	-0.56		2.12	-0.74	
7	0.51	-0.20		1.02	-0.41		1.53	-0.61		2.05	-0.82	
7.25	0.49	-0.22		0.99	-0.44		1.48	-0.67		1.98	-0.89	
7.5	0.48	-0.24		0.95	-0.48		1.43	-0.72		1.91	-0.95	

FIG. 5

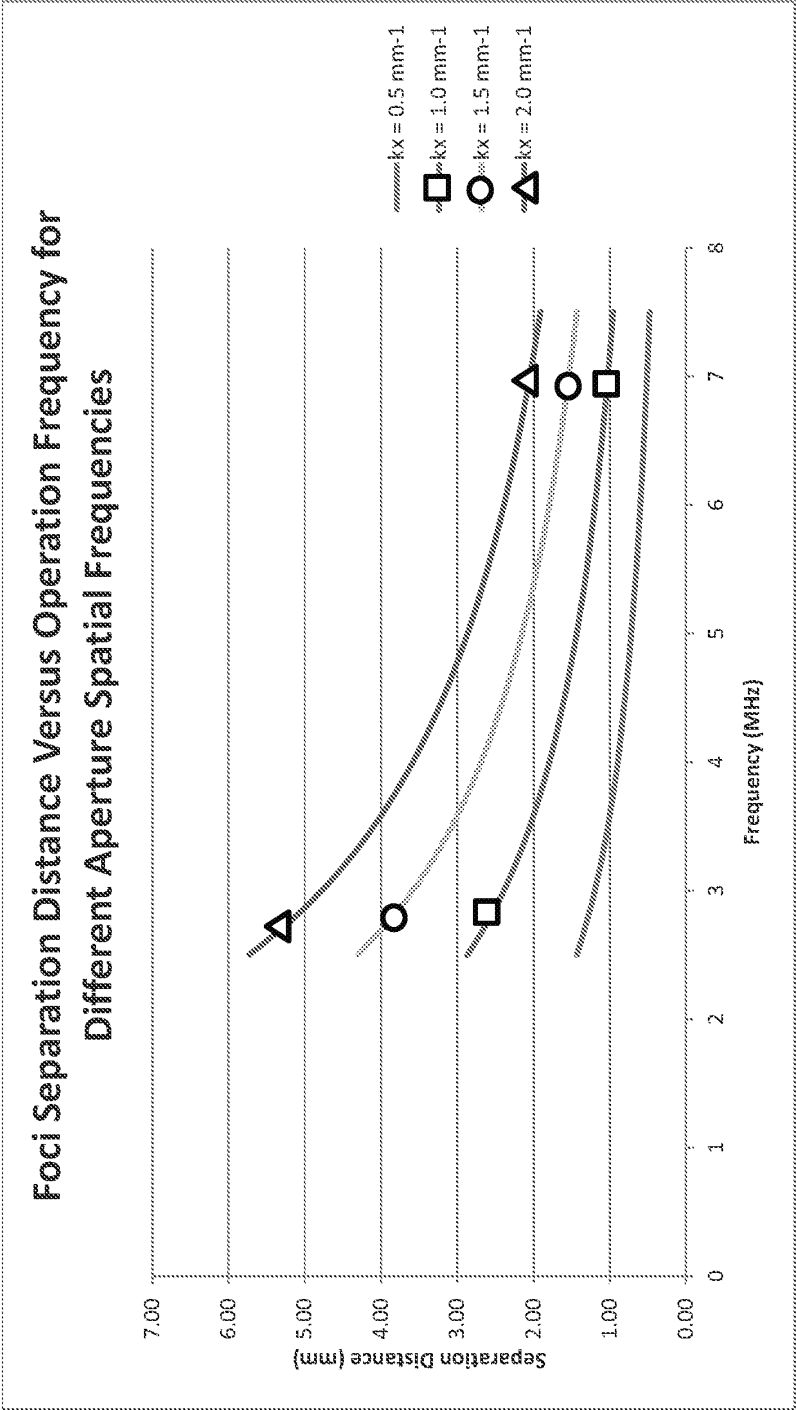


FIG. 6

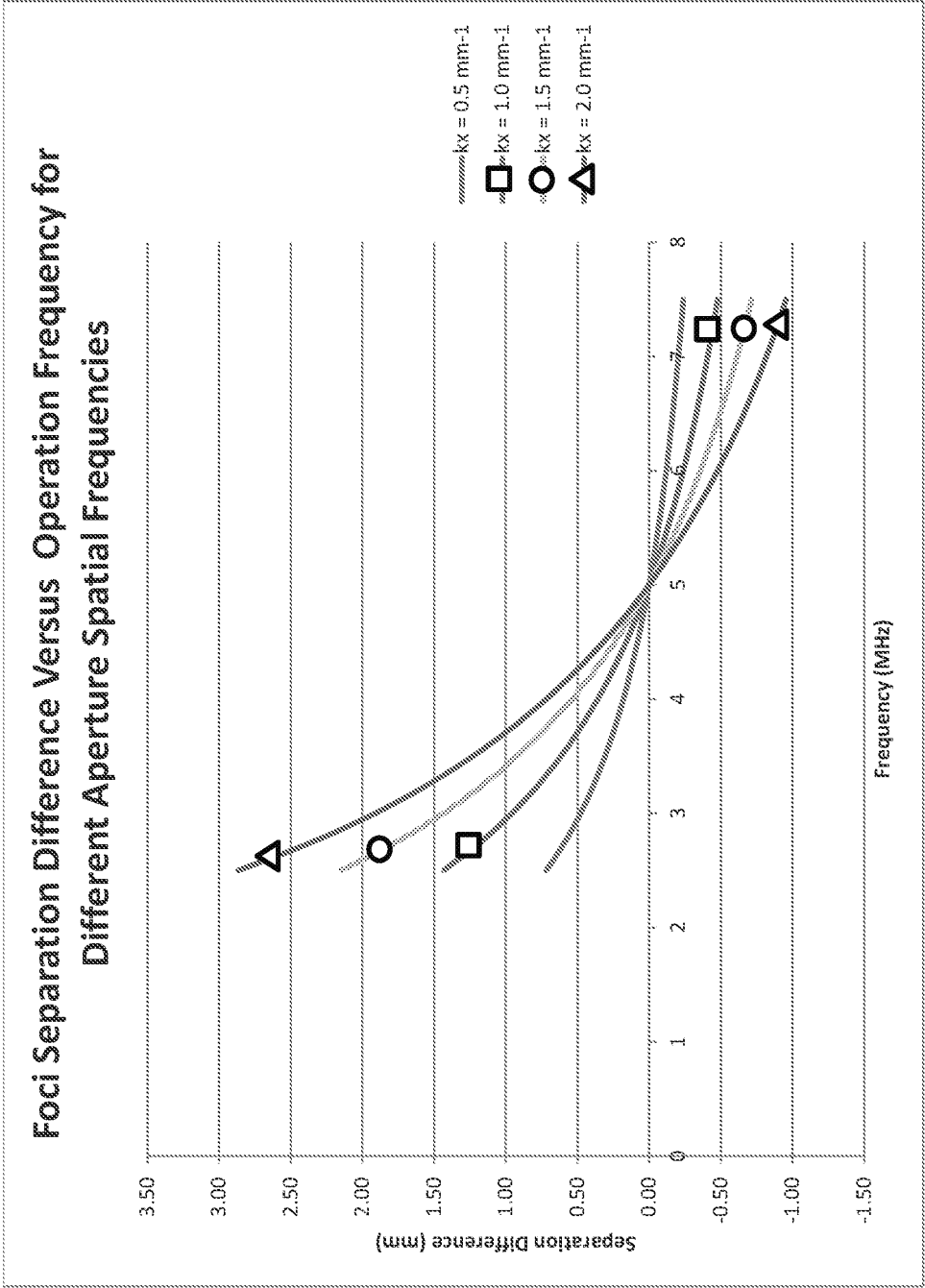


FIG. 7



FIG. 8



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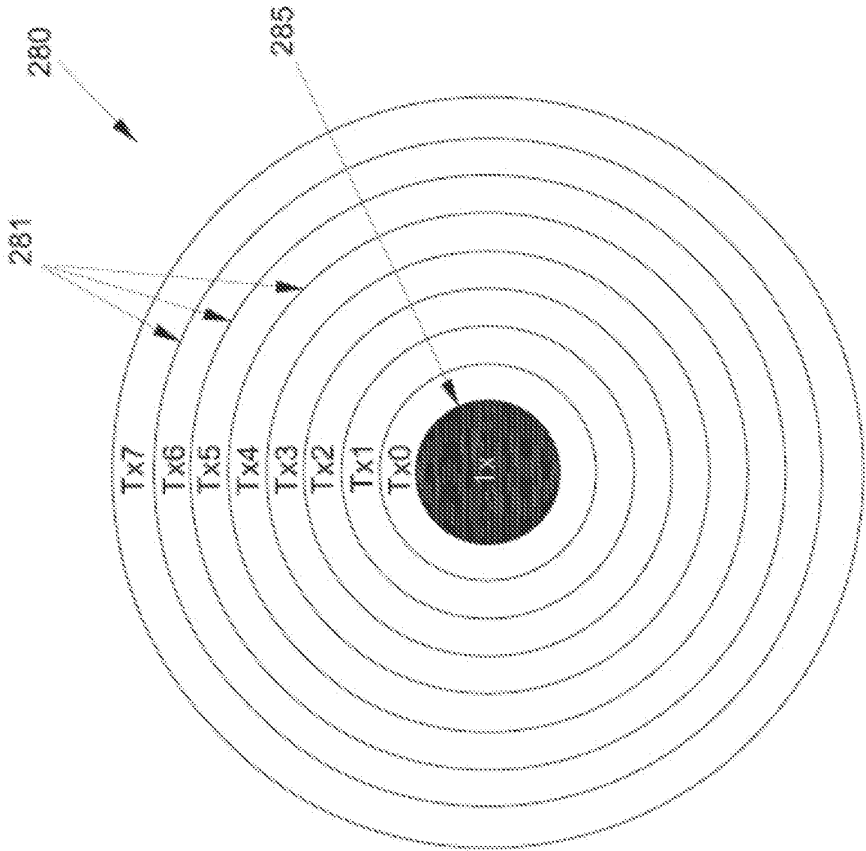


FIG. 10

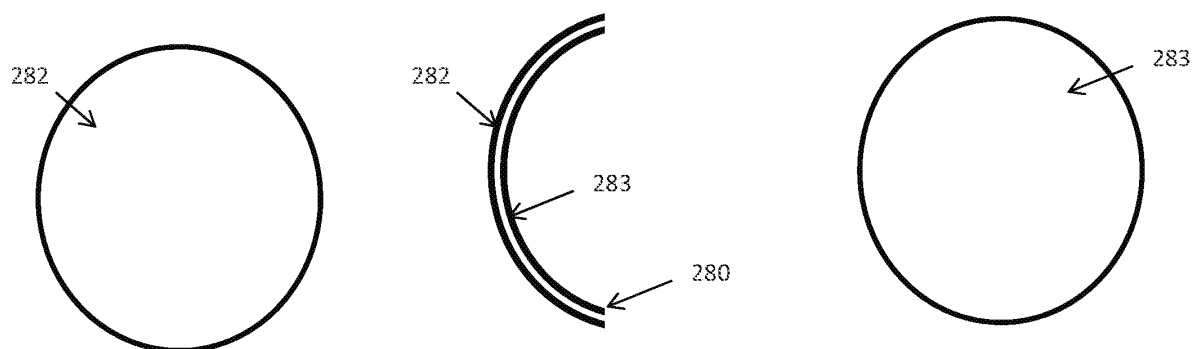


FIG. 11

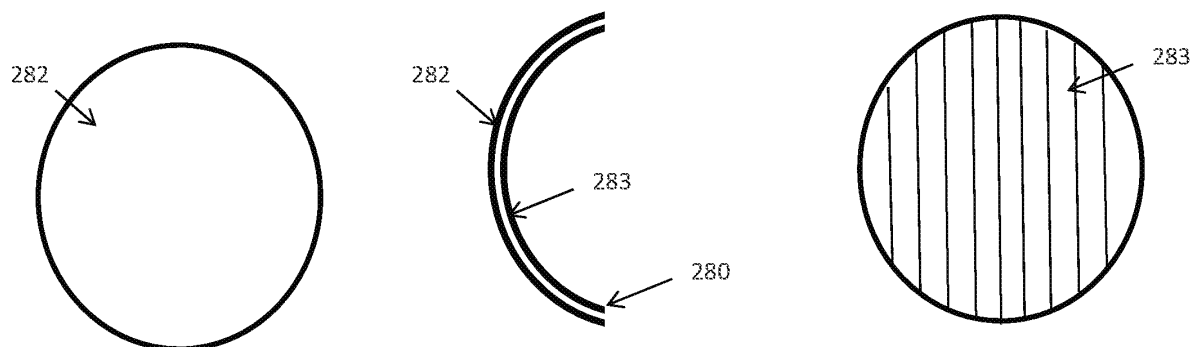


FIG. 12

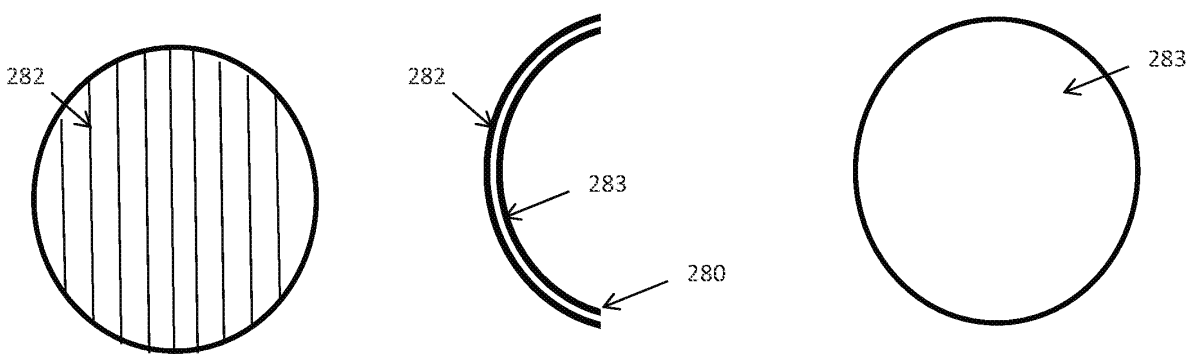


FIG. 13

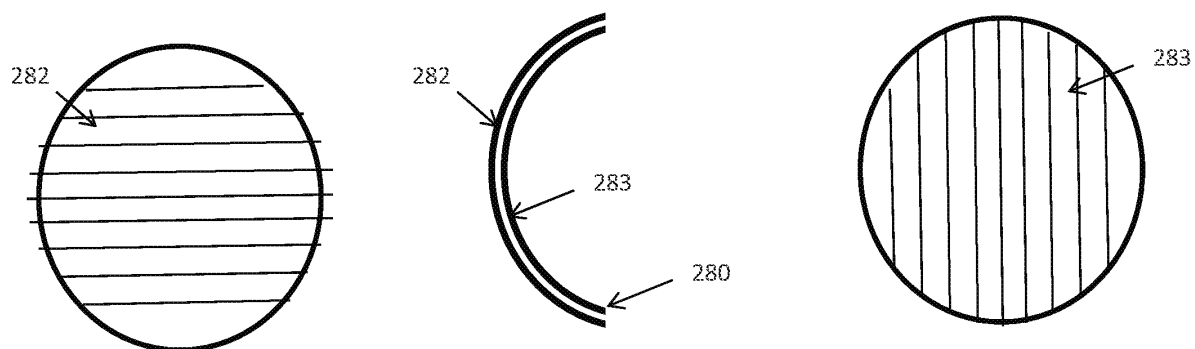


FIG. 14

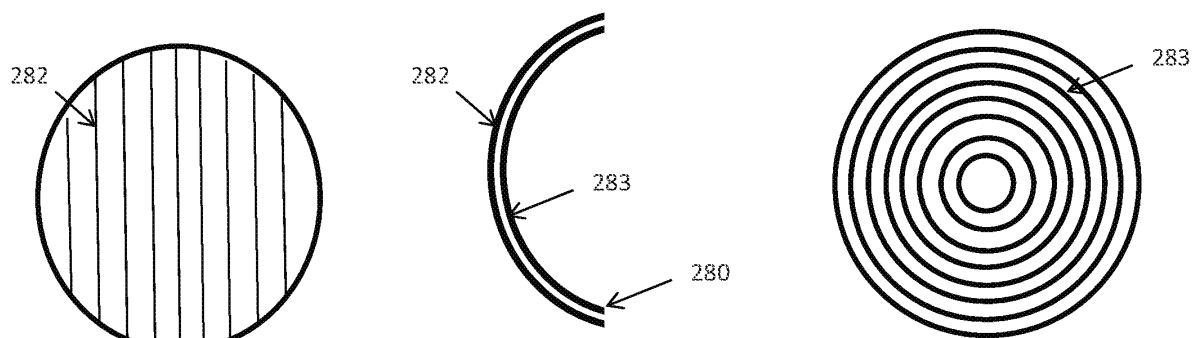


FIG. 15

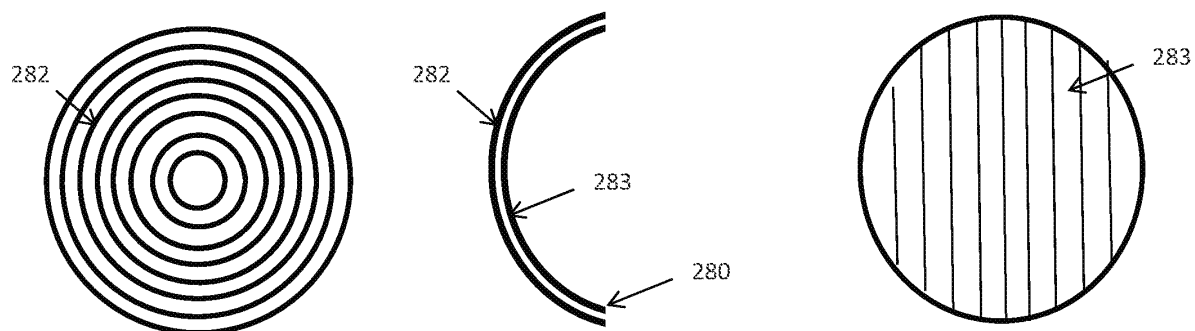
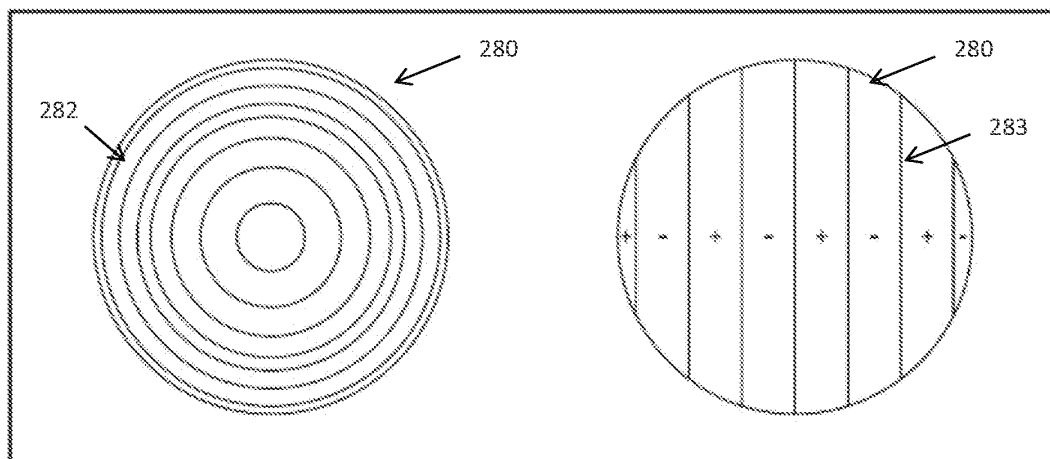


FIG. 16



Annular Array for
Depth Control

Poling Stripes for
Split Beam
(Simulines)

FIG. 17

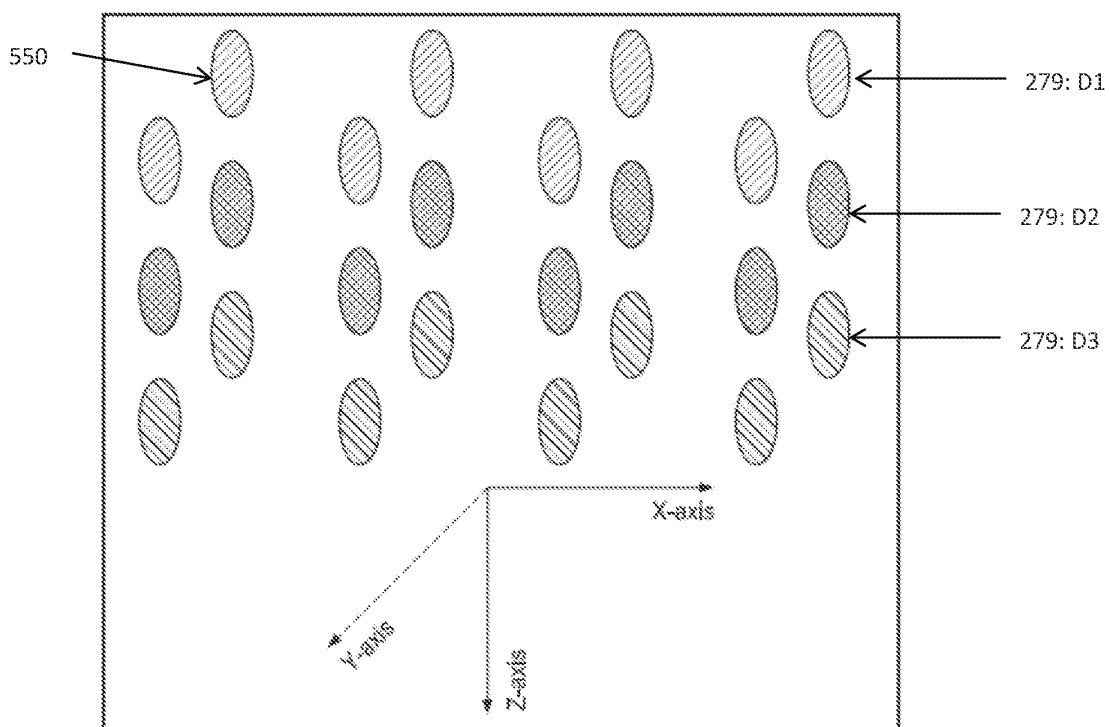
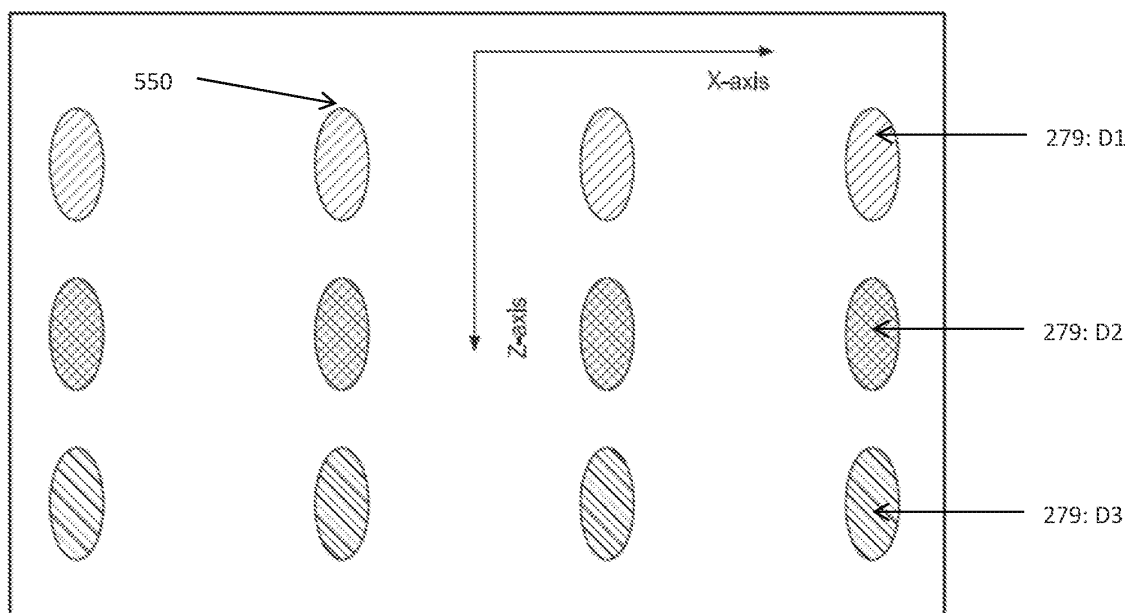
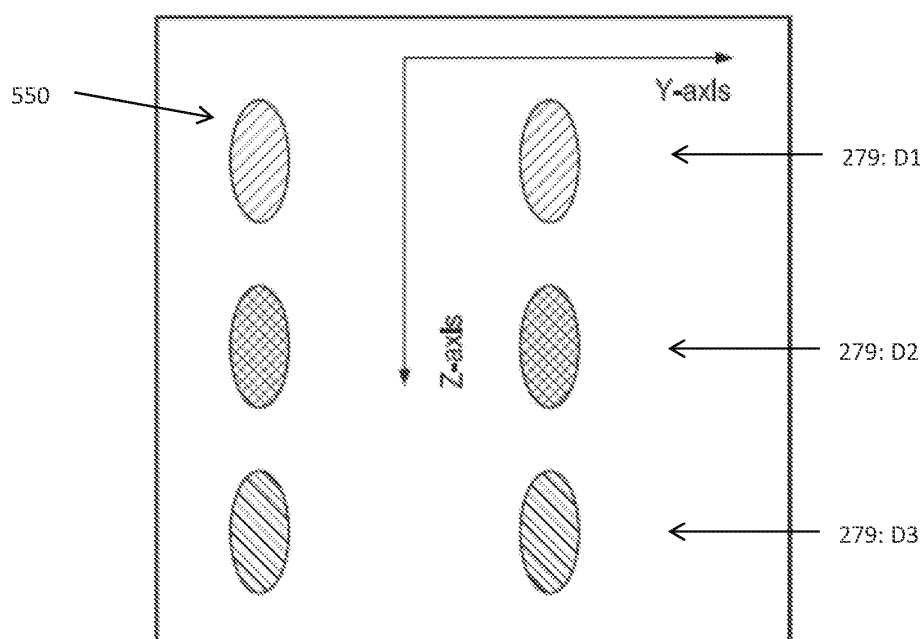


FIG. 18

**FIG. 19****FIG. 20**

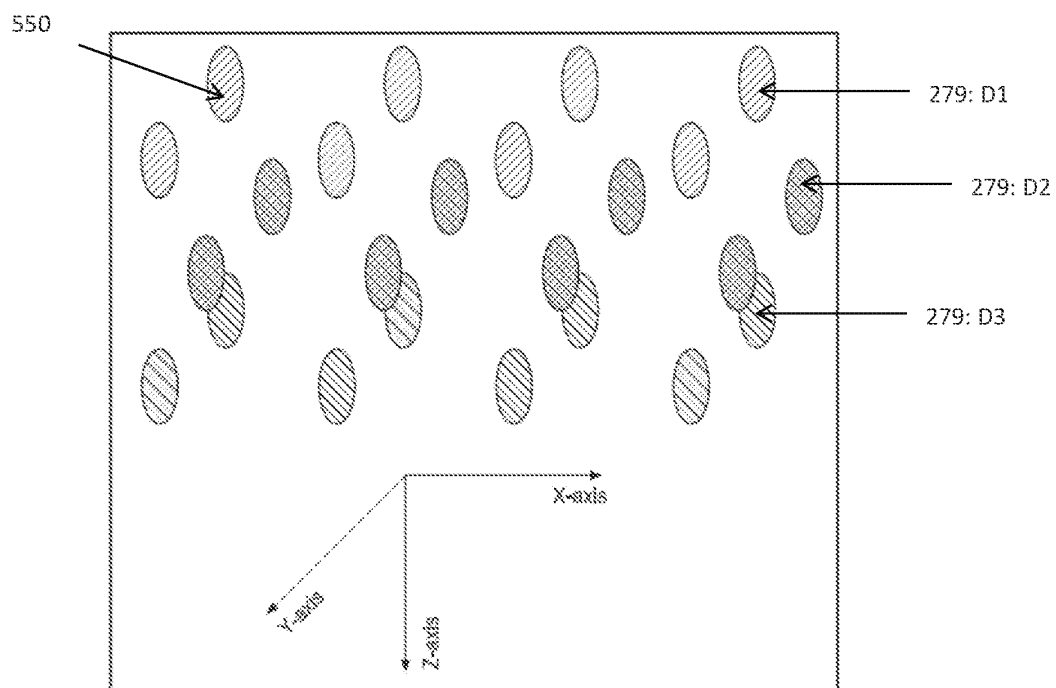


FIG. 21

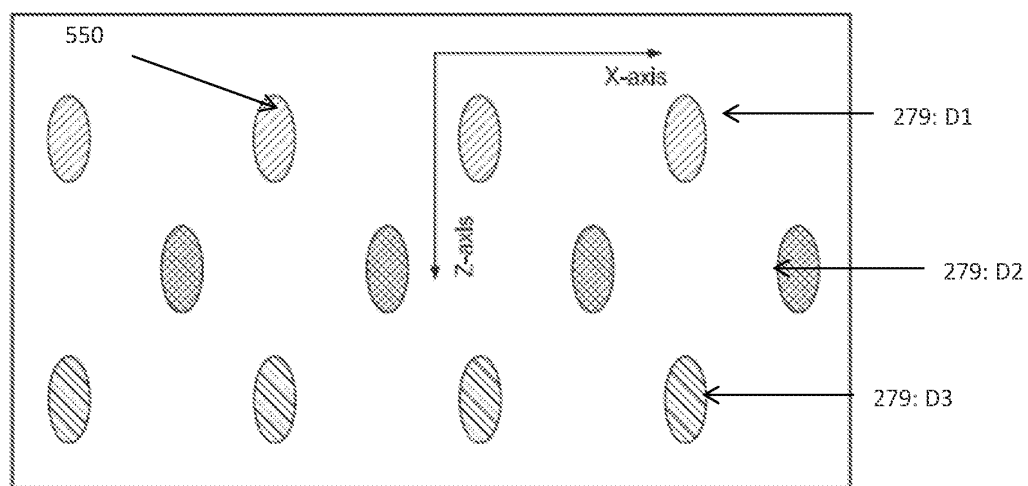


FIG. 22

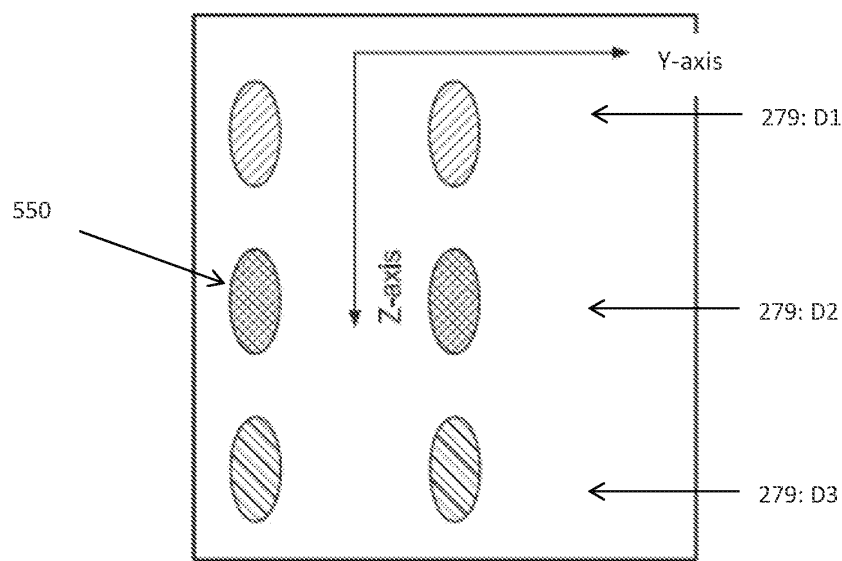


FIG. 23

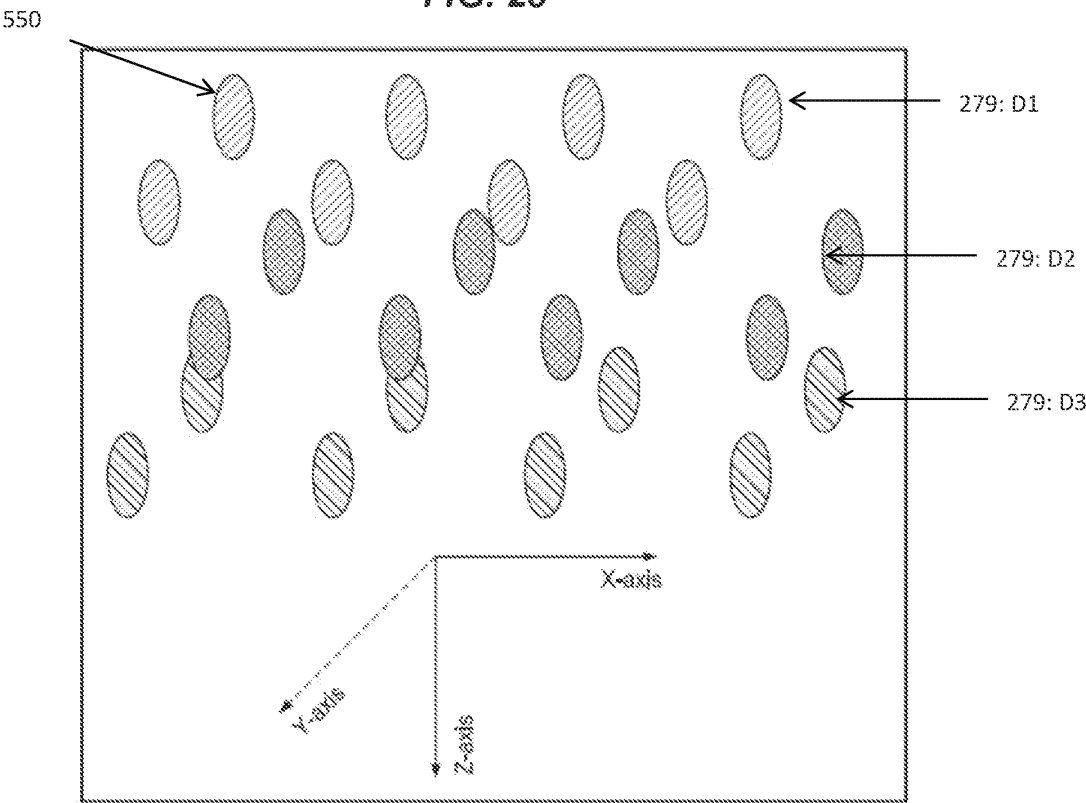


FIG. 24

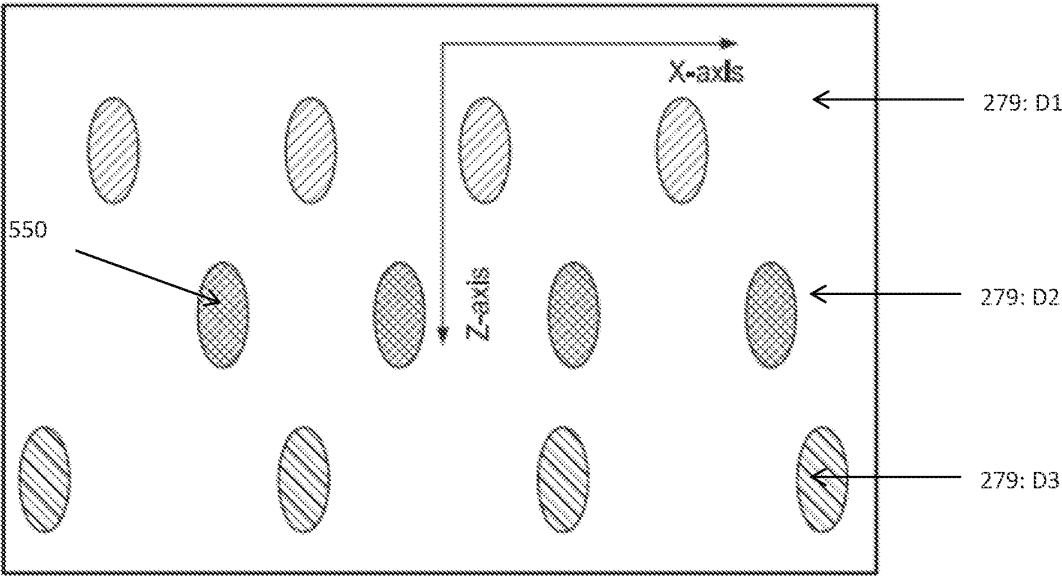


FIG. 25

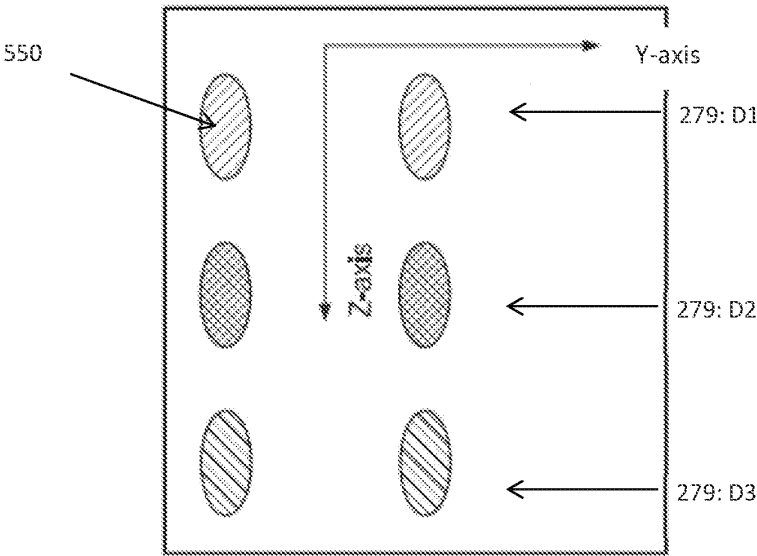


FIG. 26

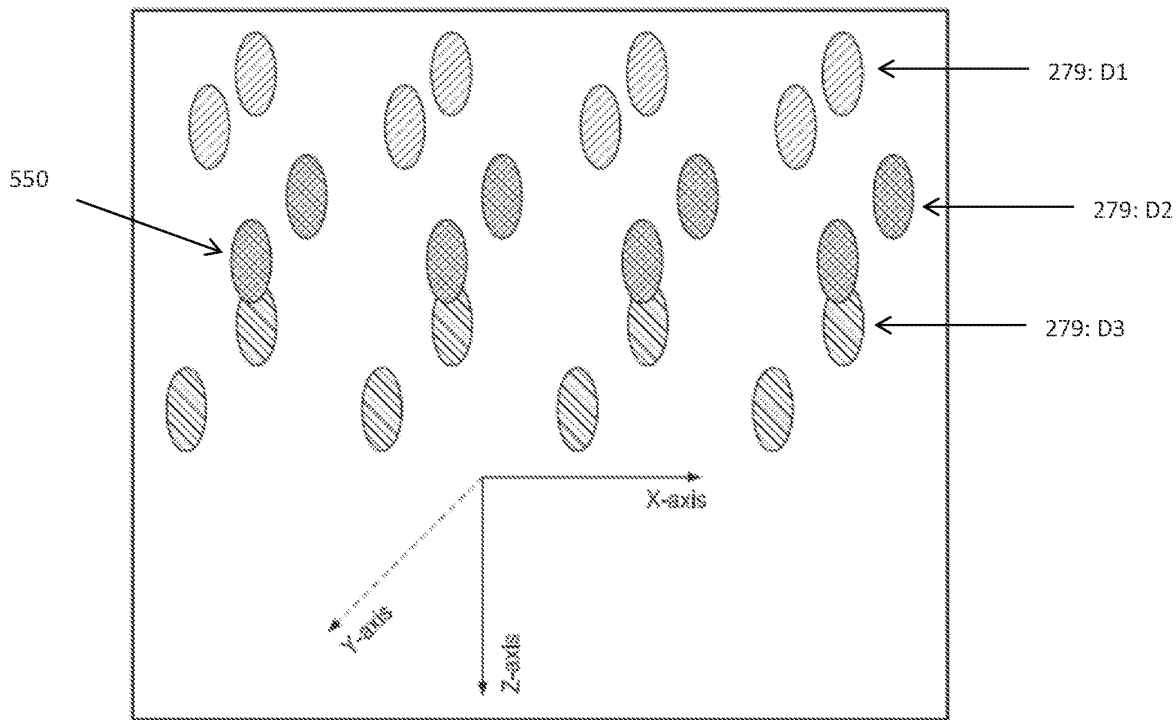


FIG. 27

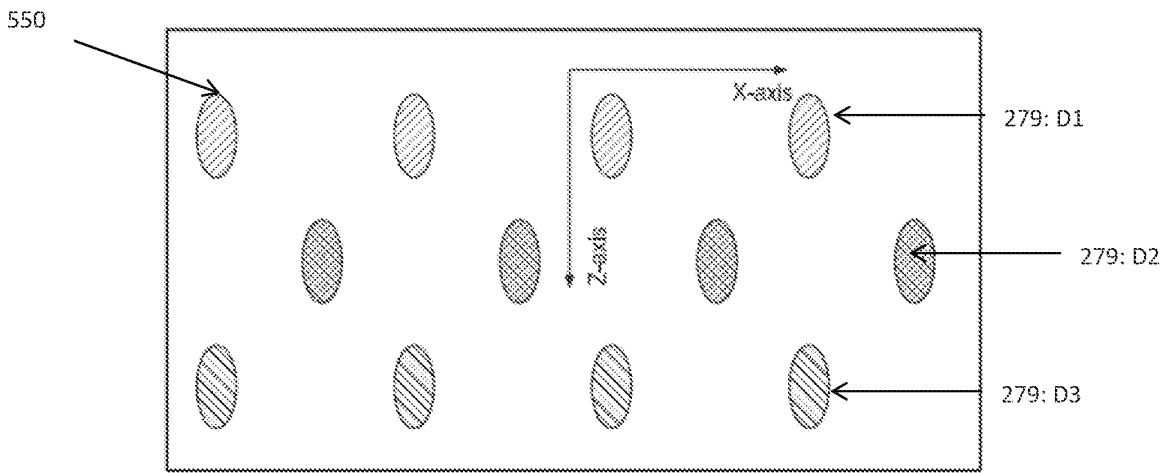


FIG. 28

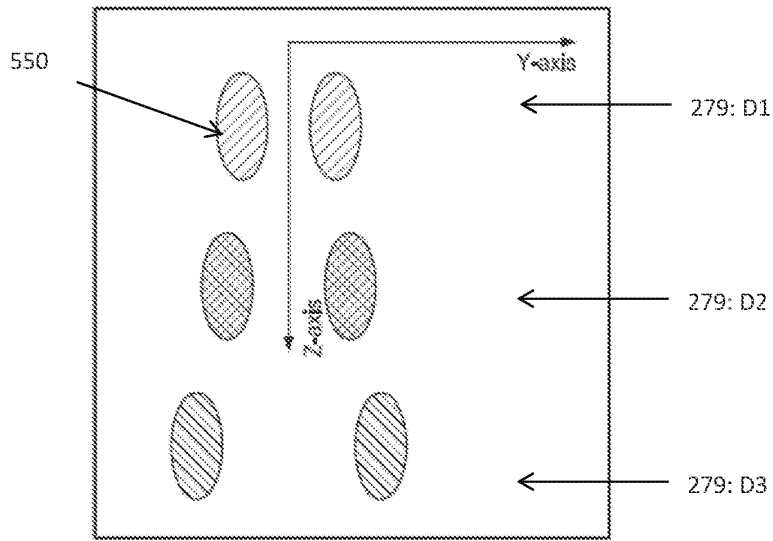


FIG. 29

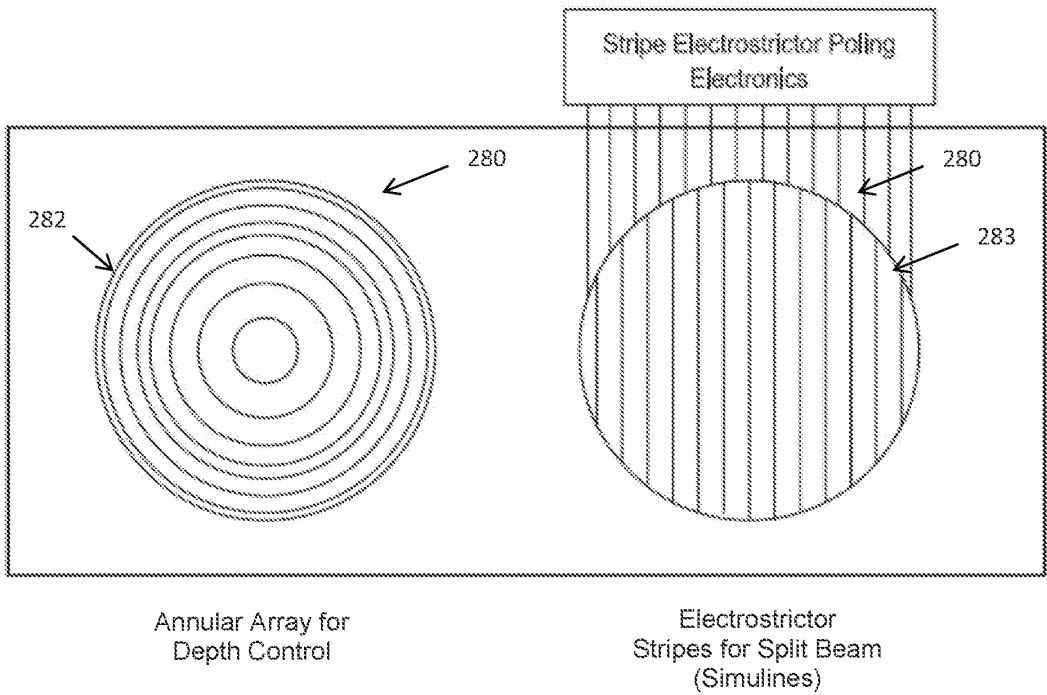


FIG. 30

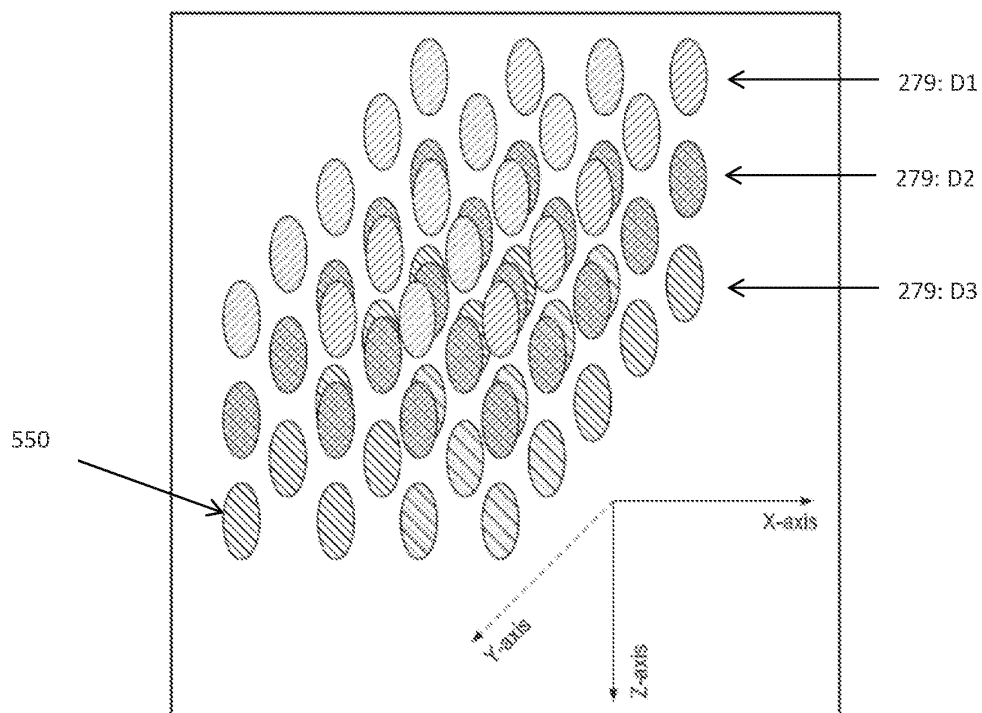


FIG. 31

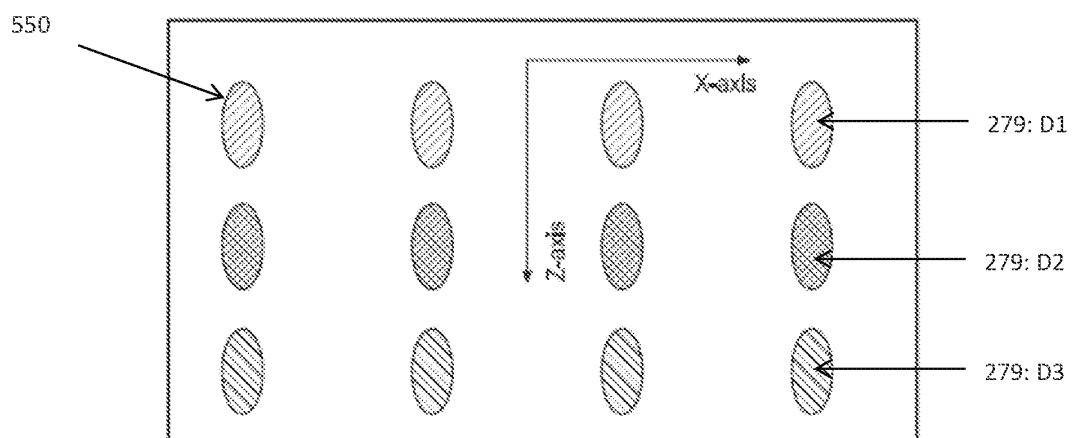


FIG. 32

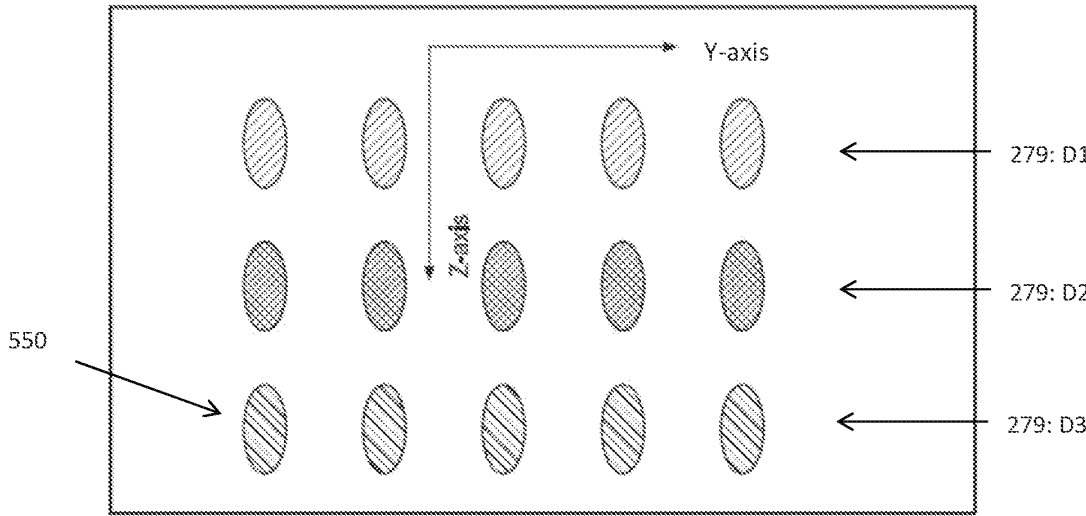


FIG. 33

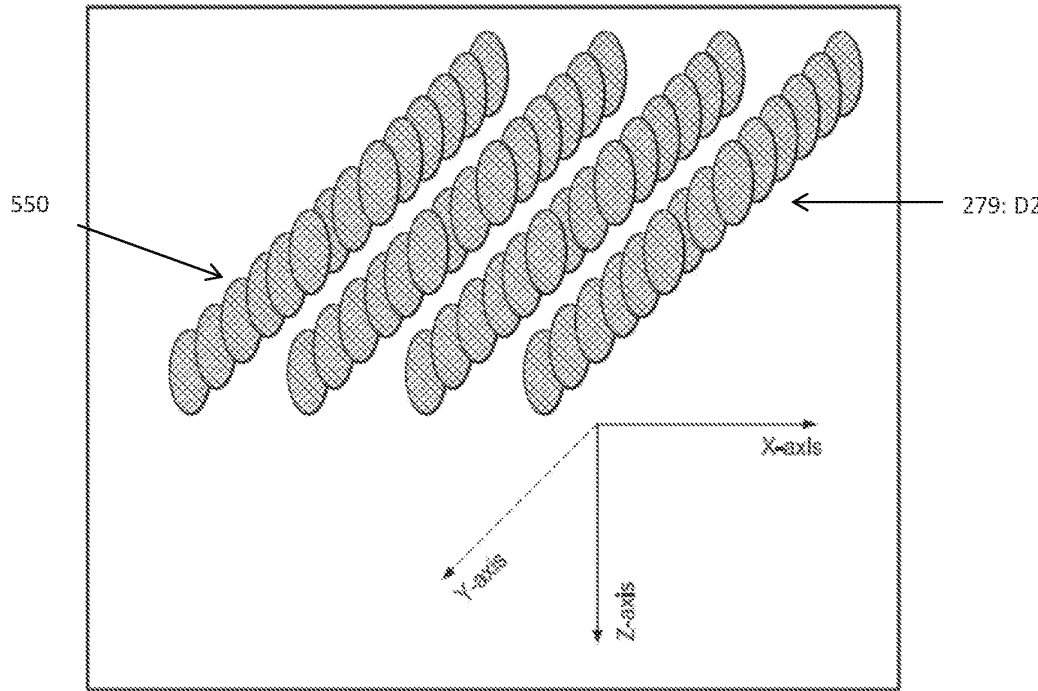


FIG. 34

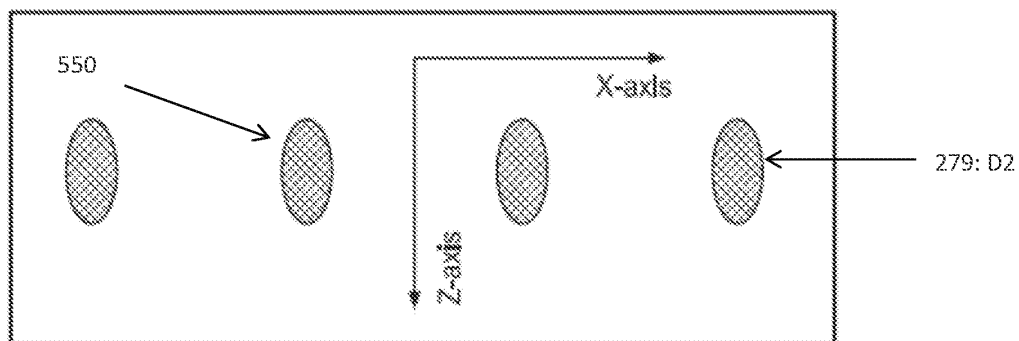


FIG. 35

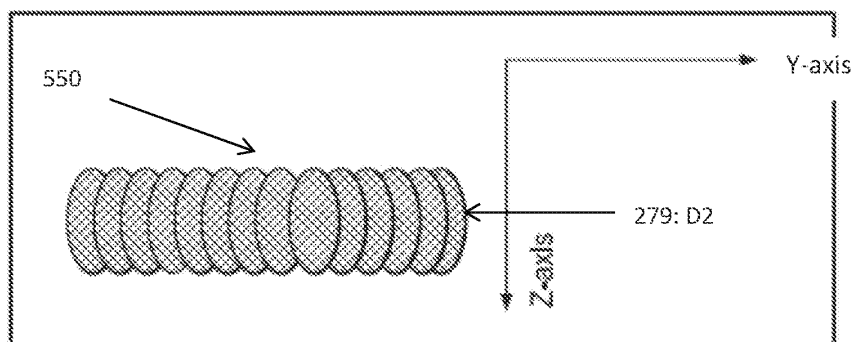


FIG. 36

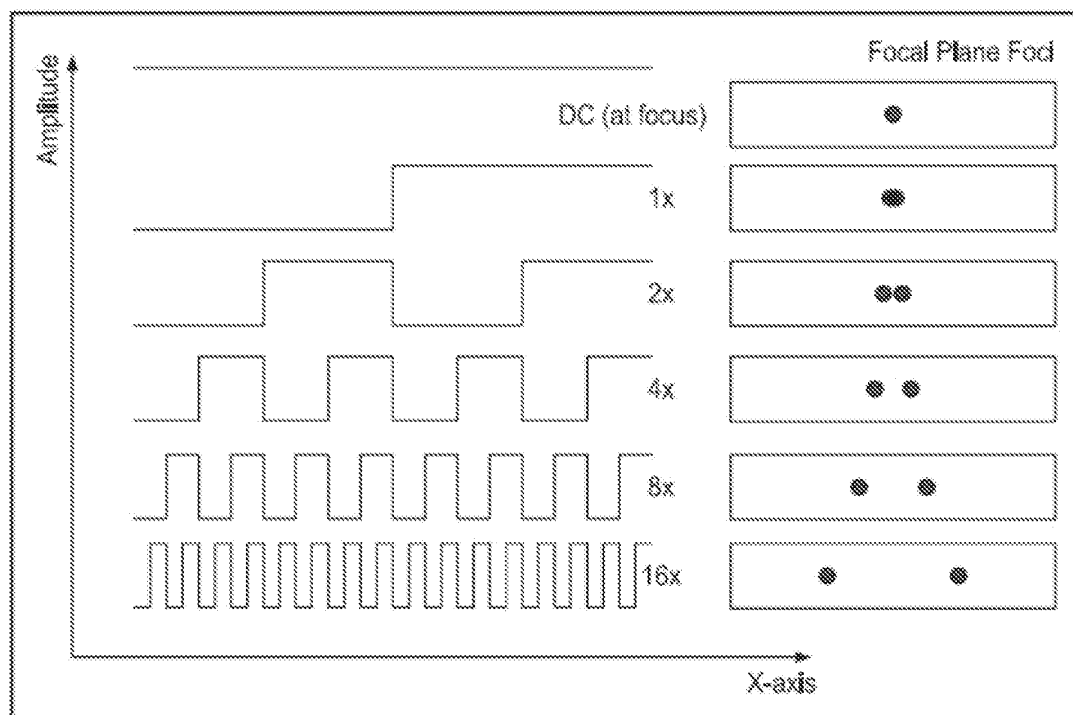


FIG. 37