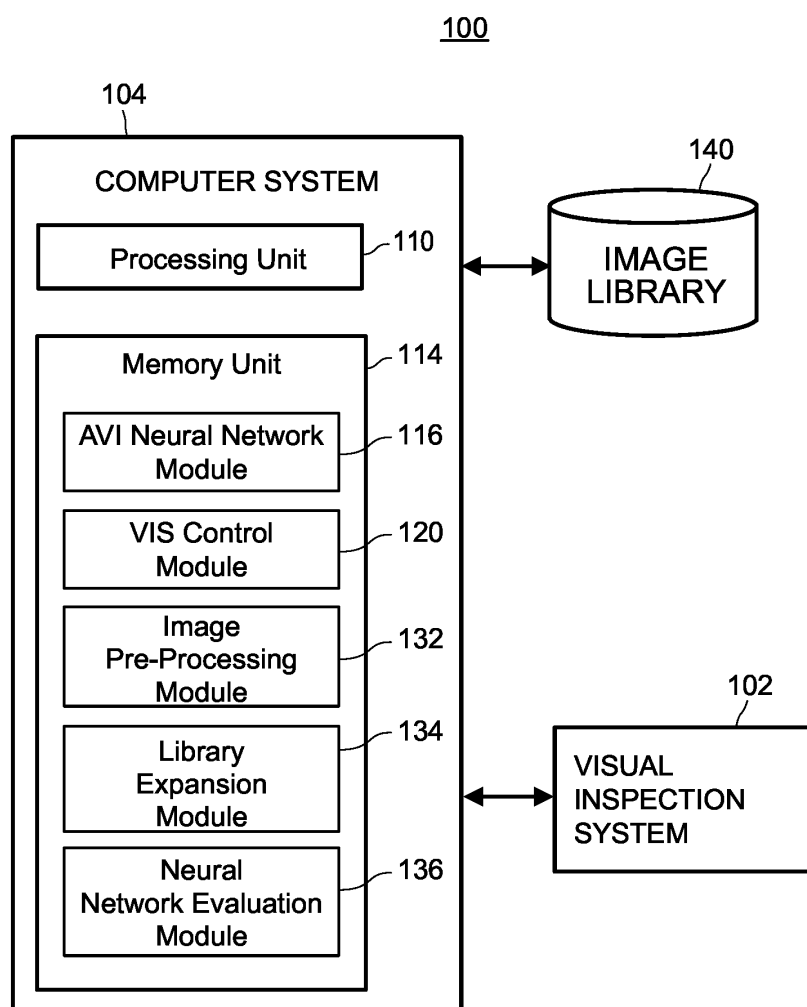


**FIG. 1**

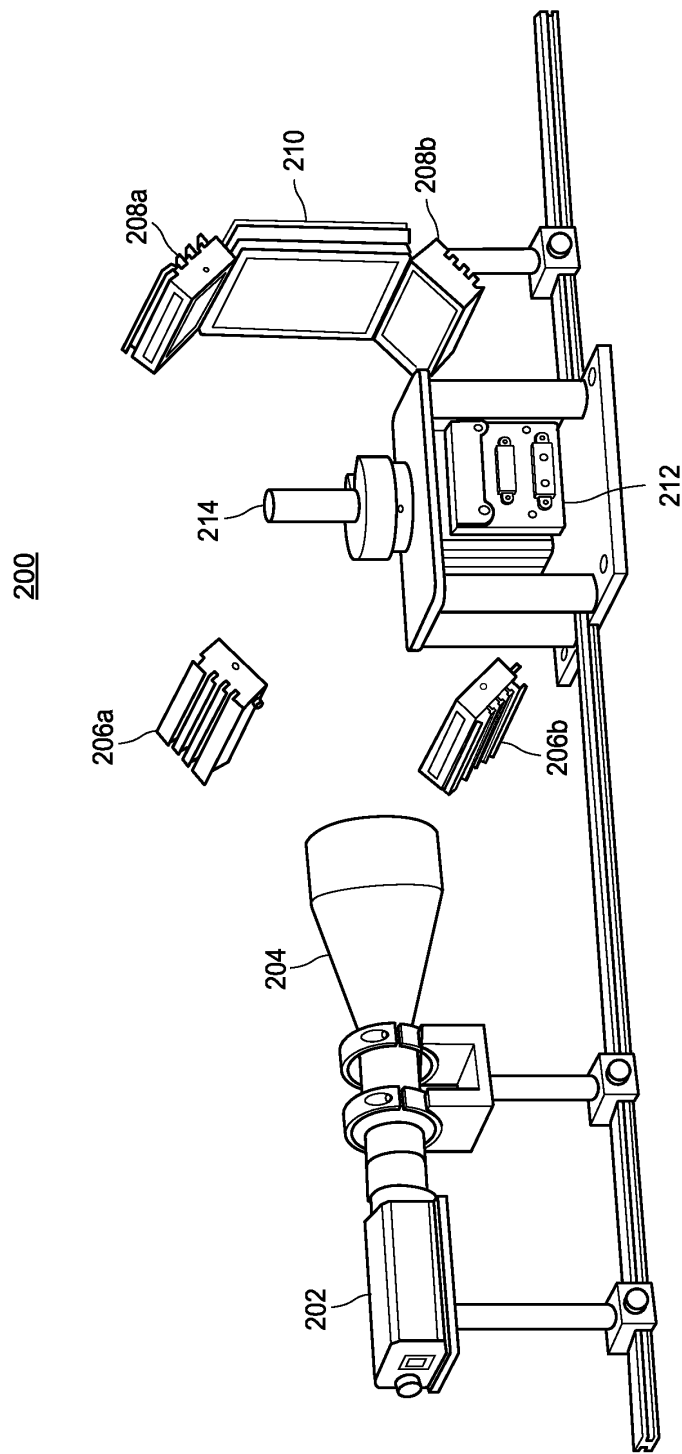


FIG. 2

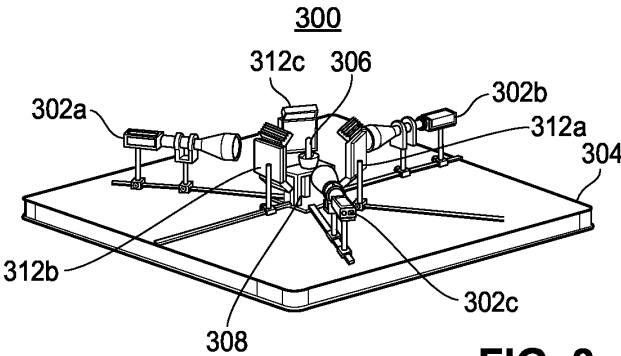


FIG. 3

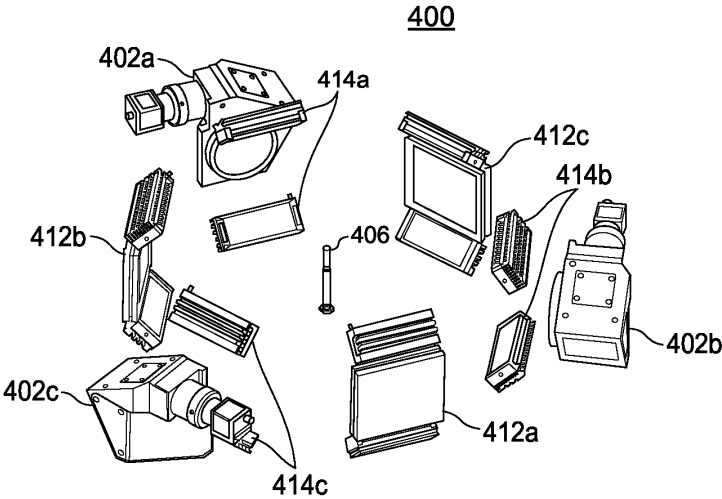


FIG. 4A

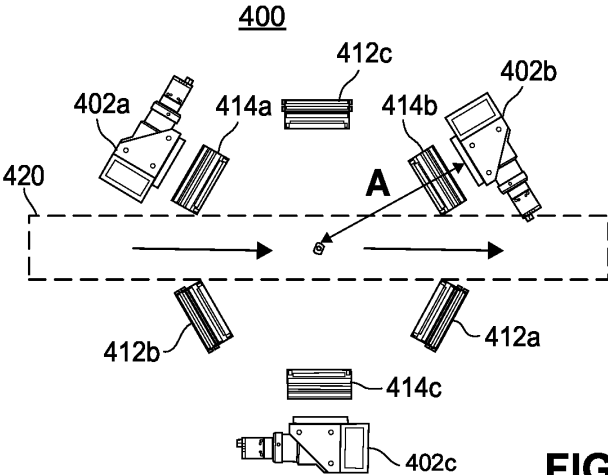
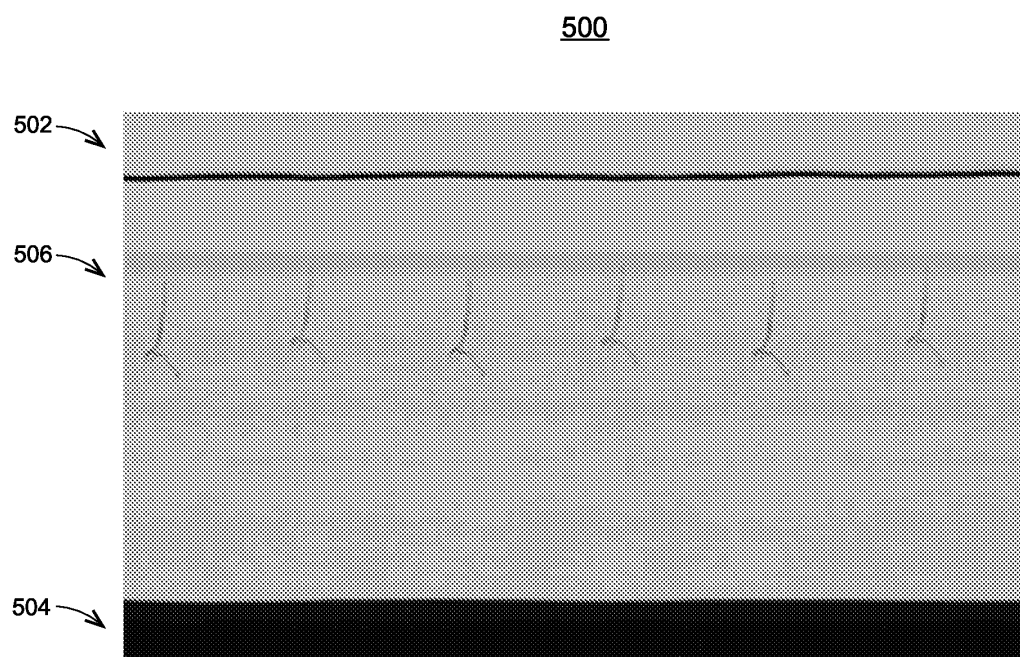


FIG. 4B

**FIG. 5**

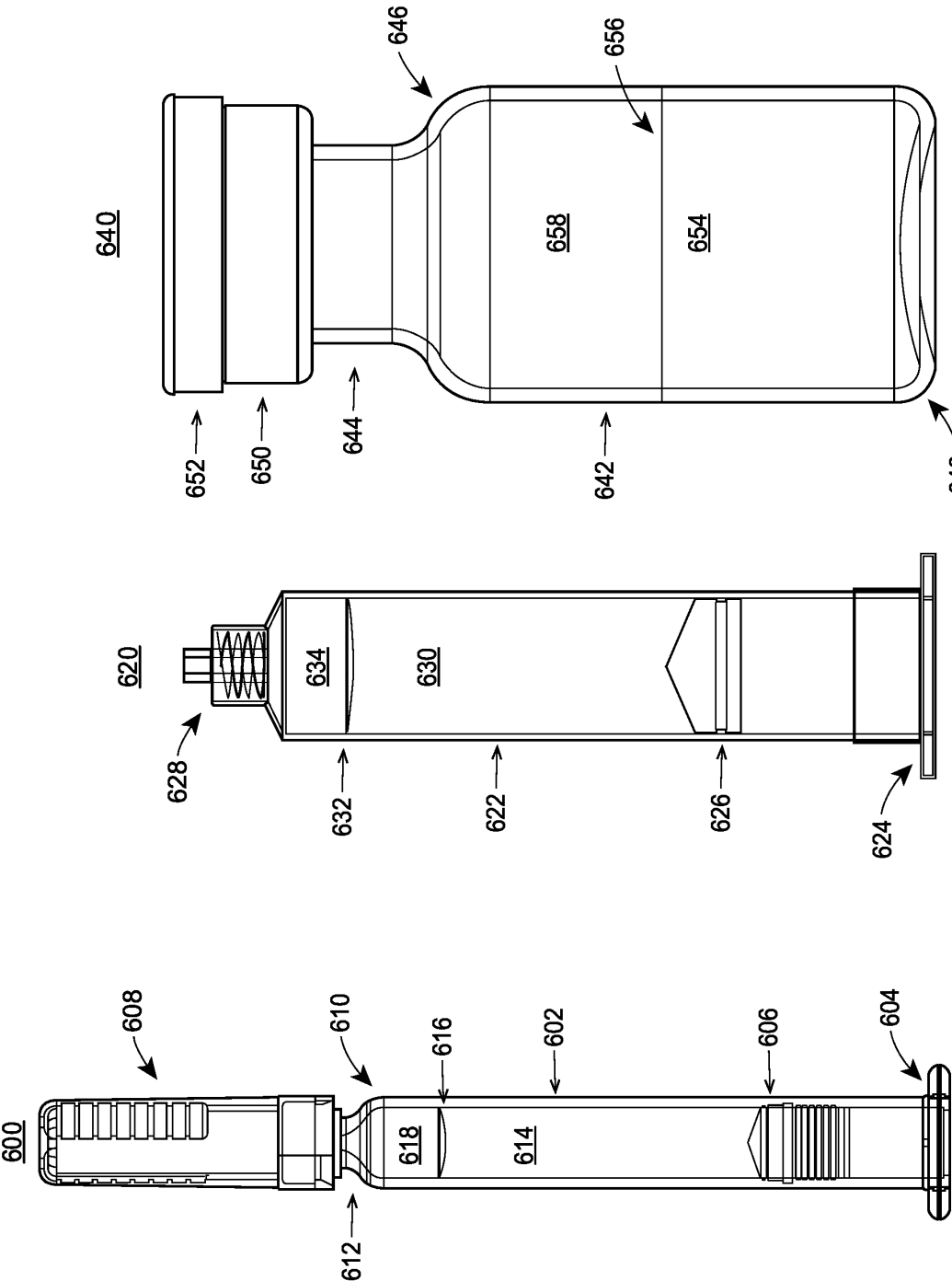


FIG. 6C

FIG. 6B

FIG. 6A

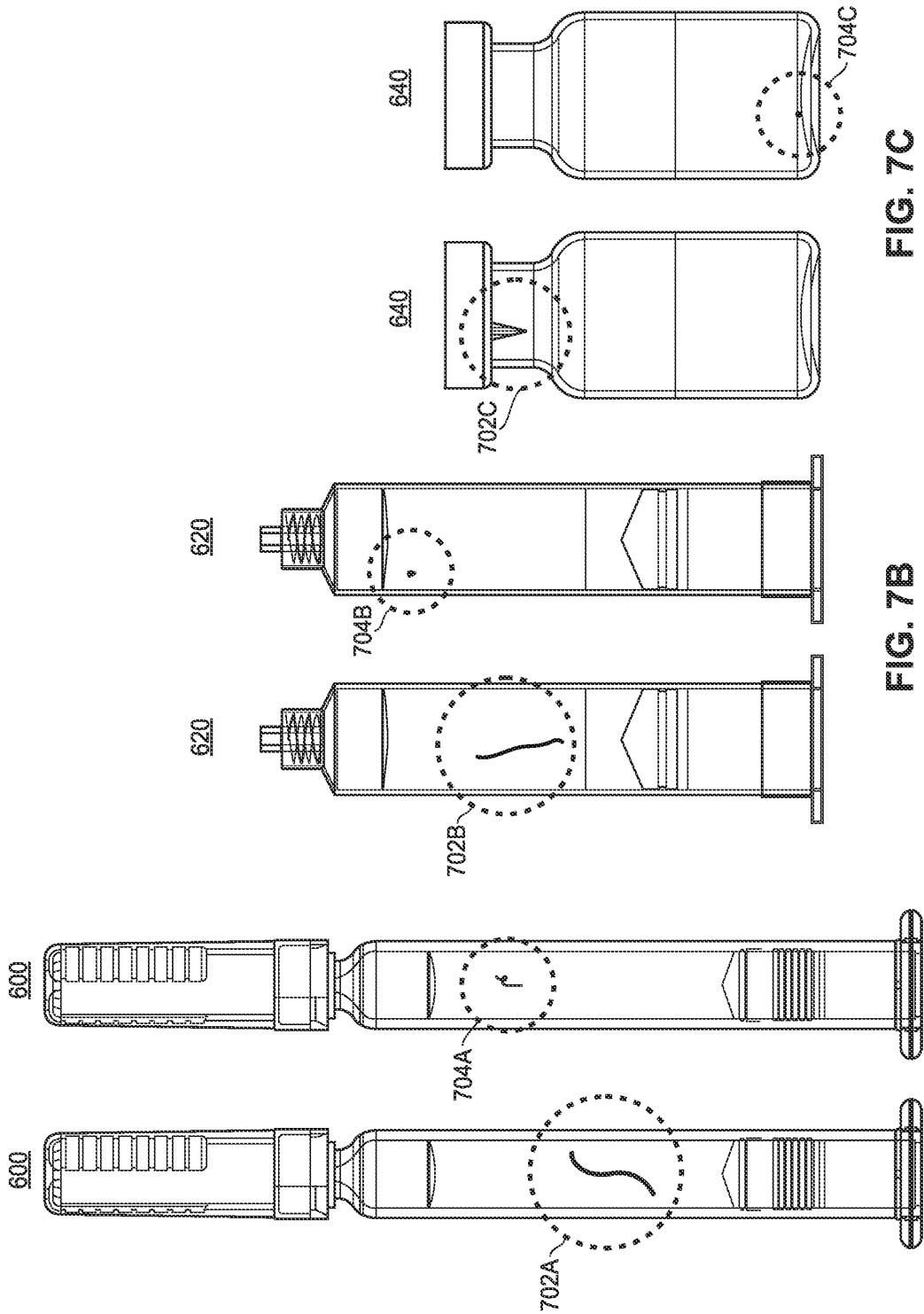


FIG. 7A

FIG. 7B

FIG. 7C

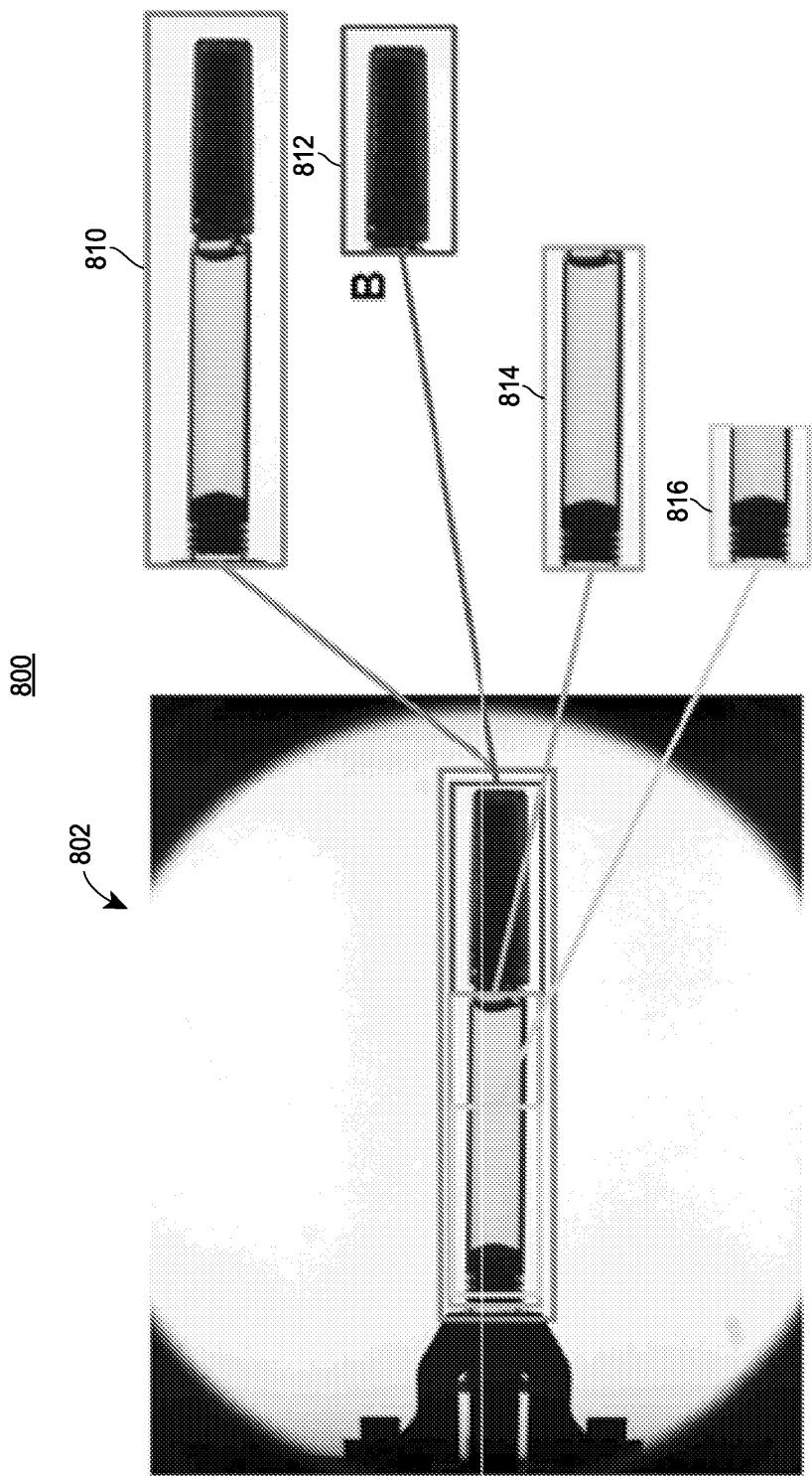


FIG. 8

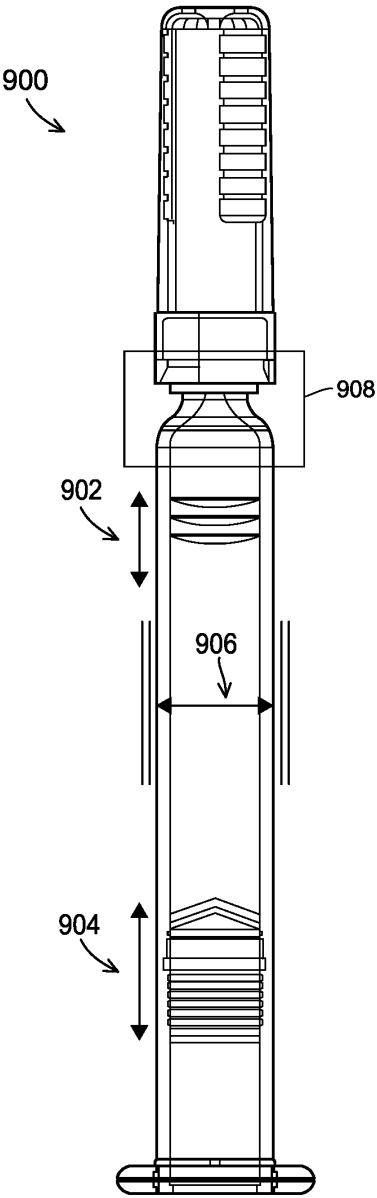


FIG. 9A

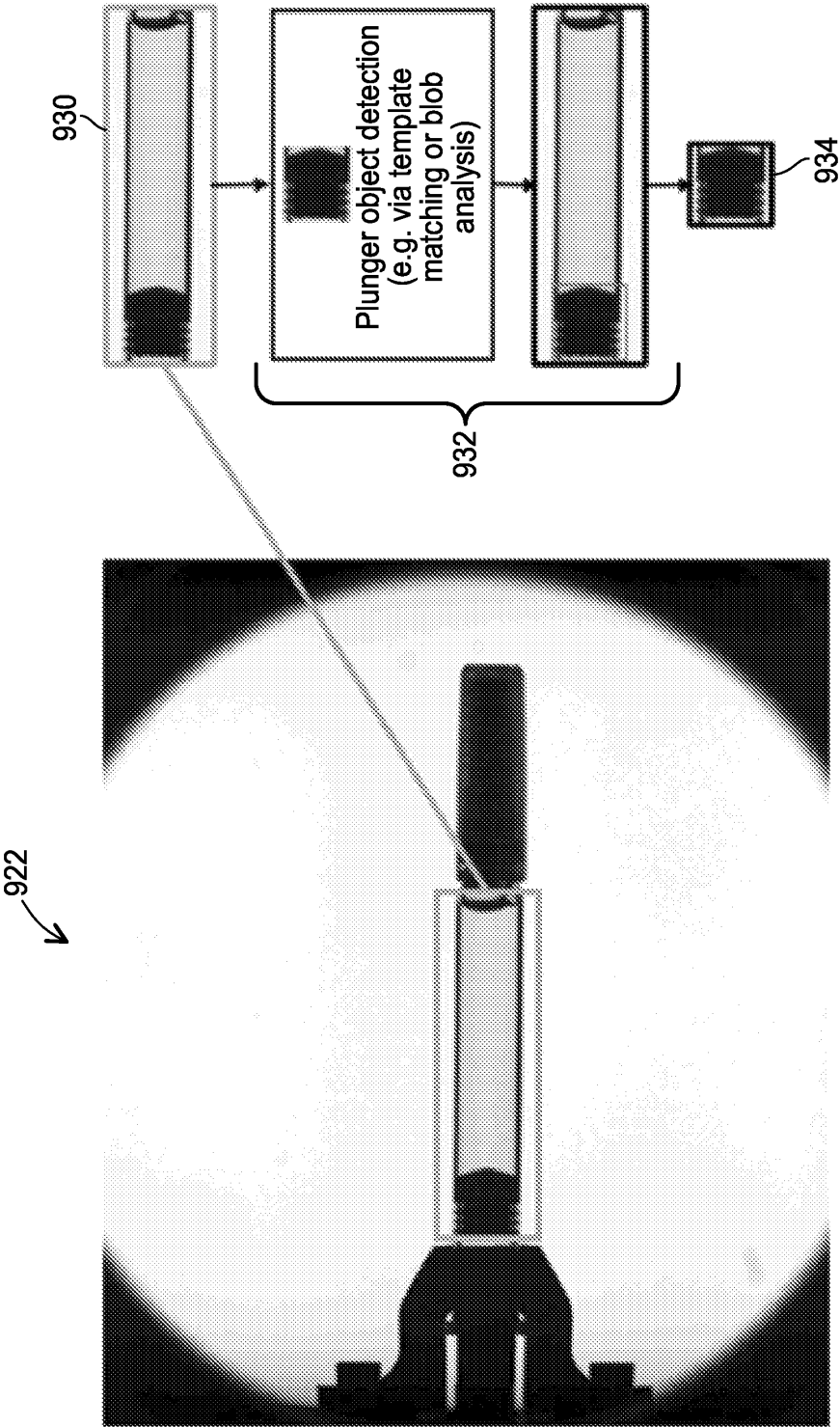


FIG. 9B

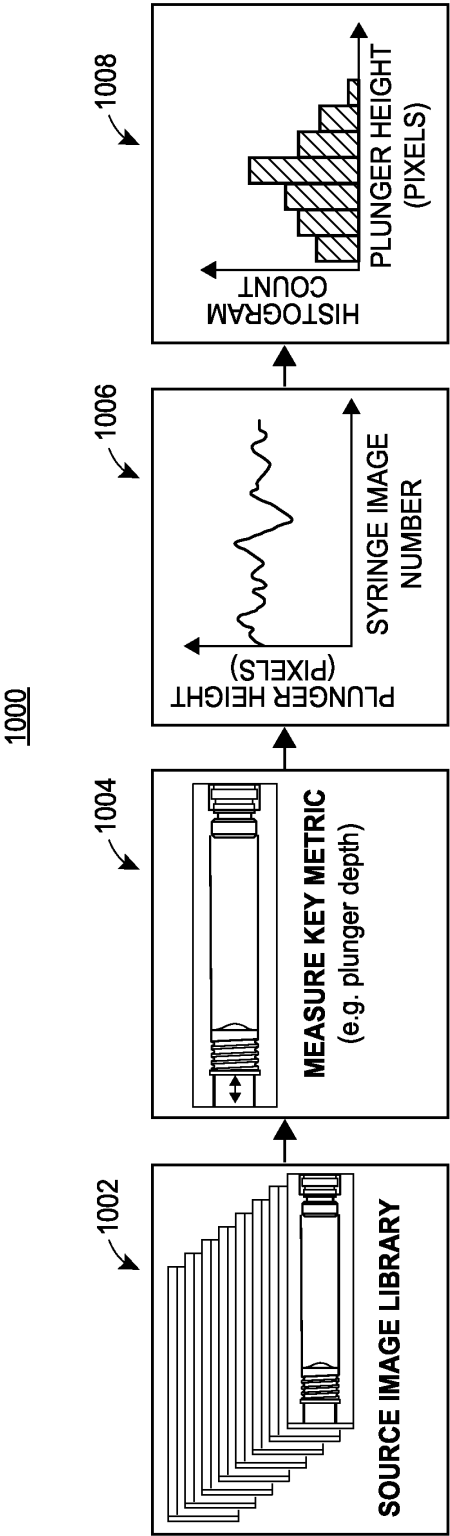


FIG. 10

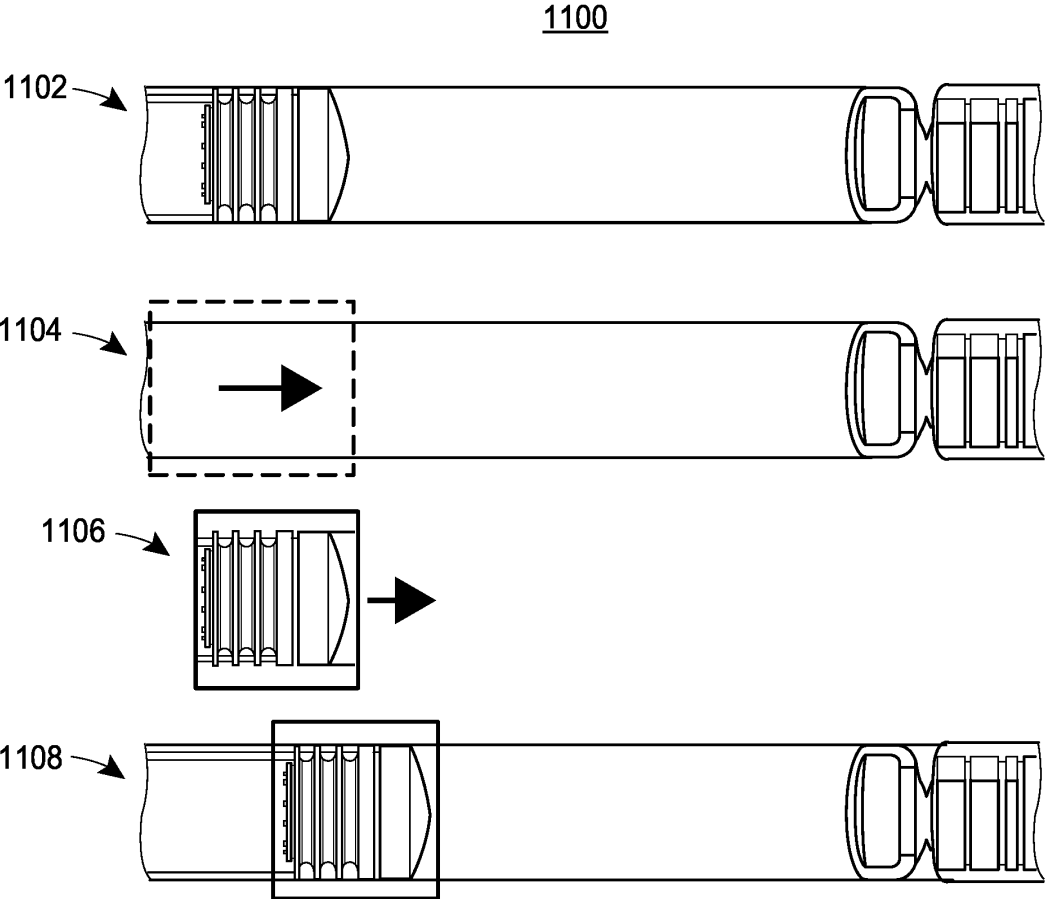


FIG. 11A

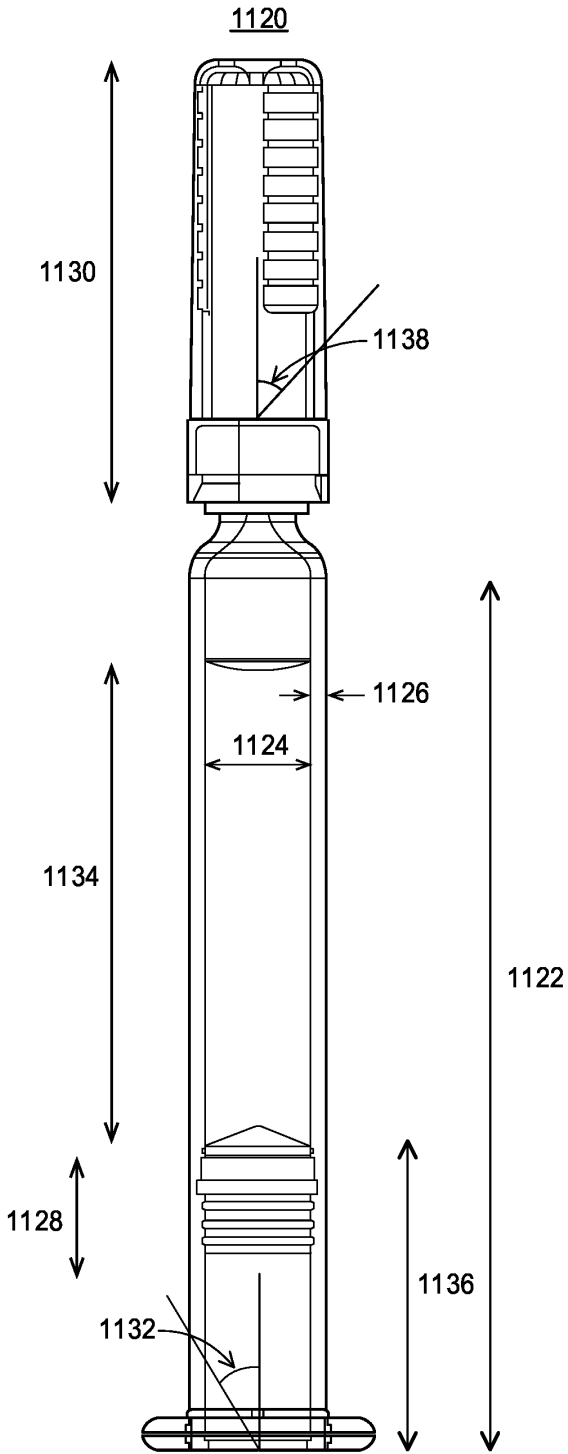
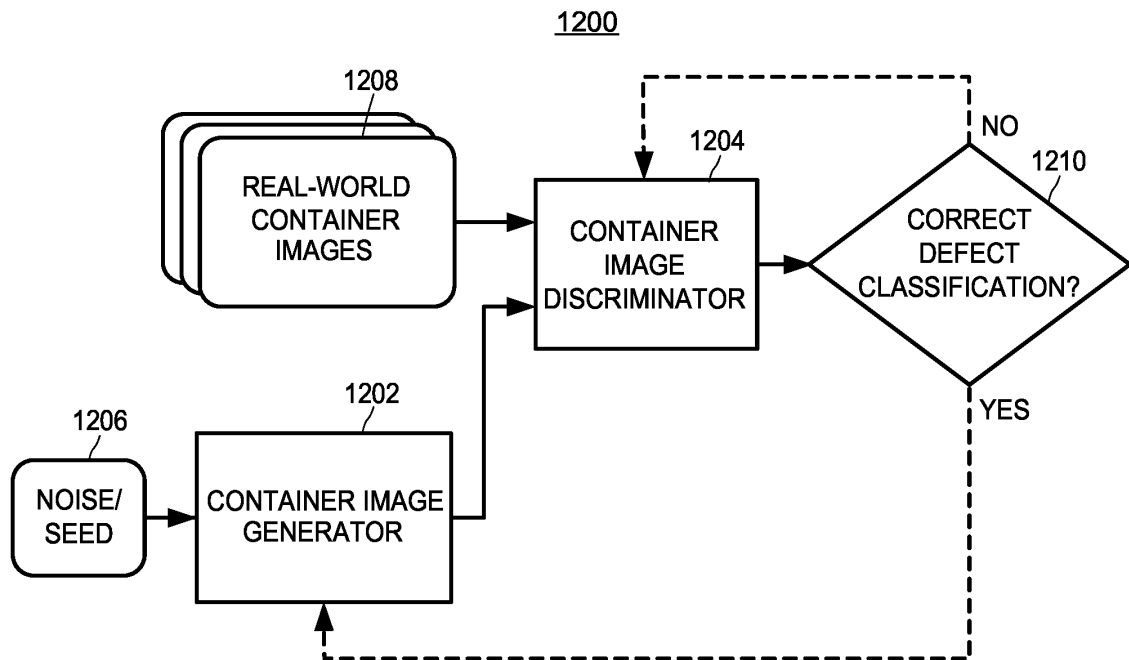
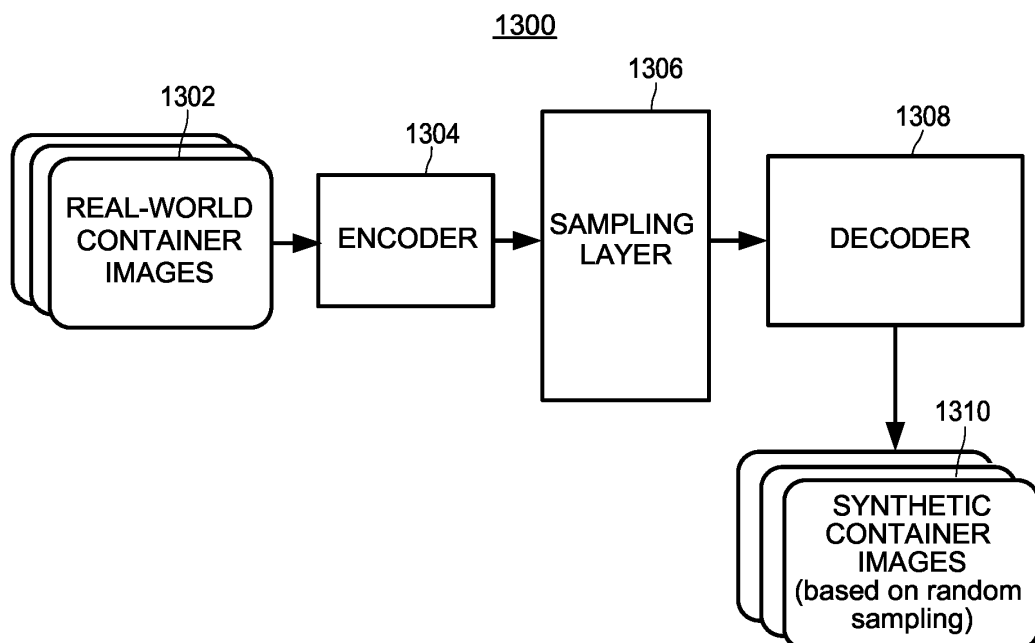


FIG. 11B

**FIG. 12****FIG. 13**

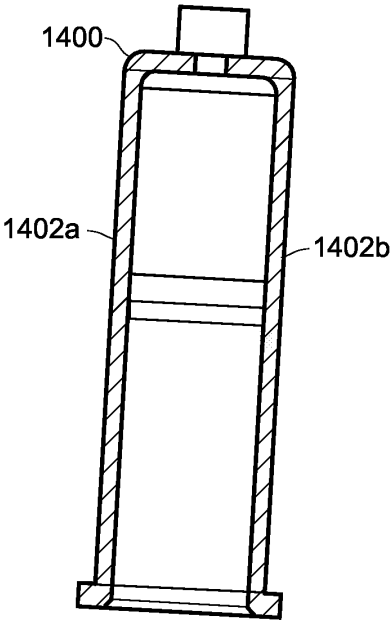


FIG. 14A

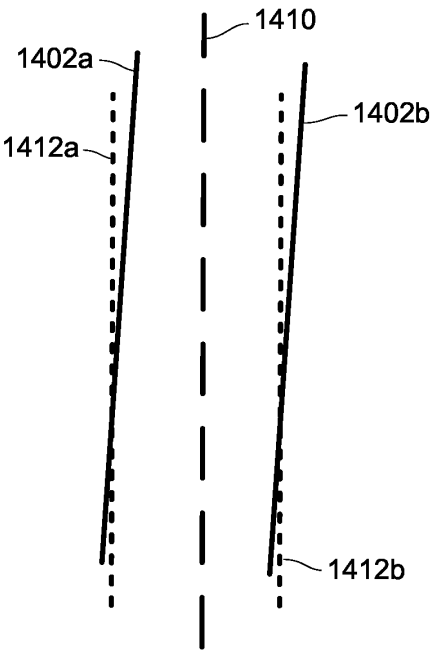


FIG. 14B

1500

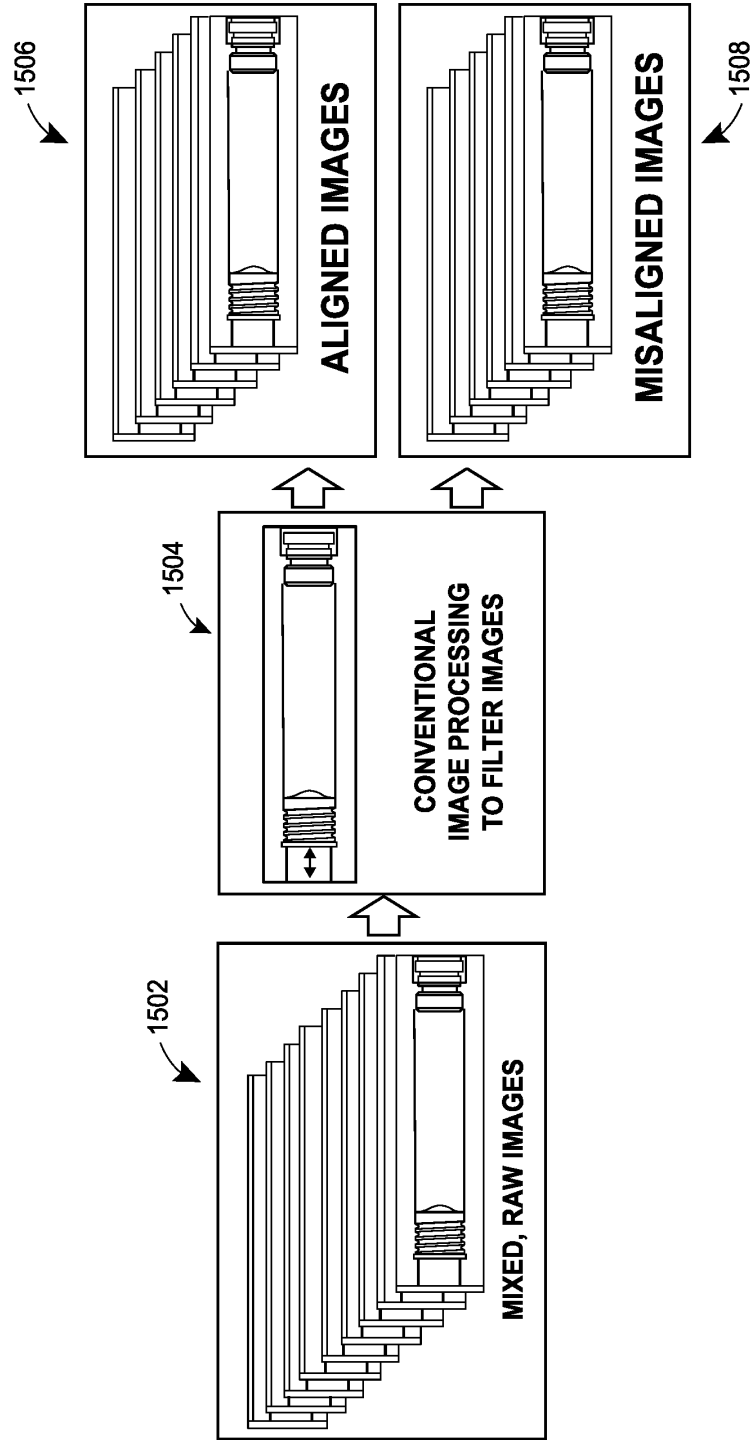
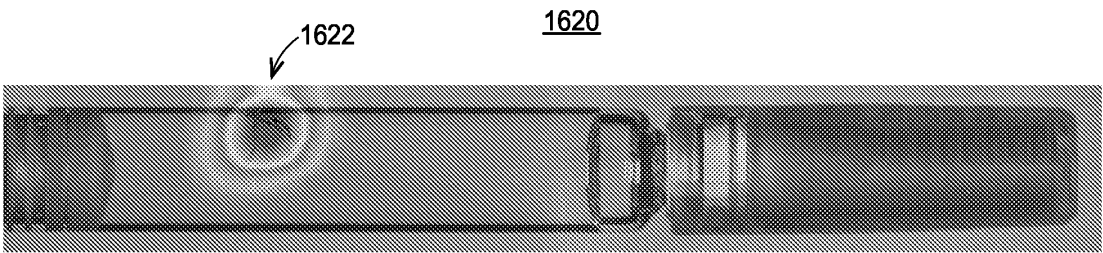
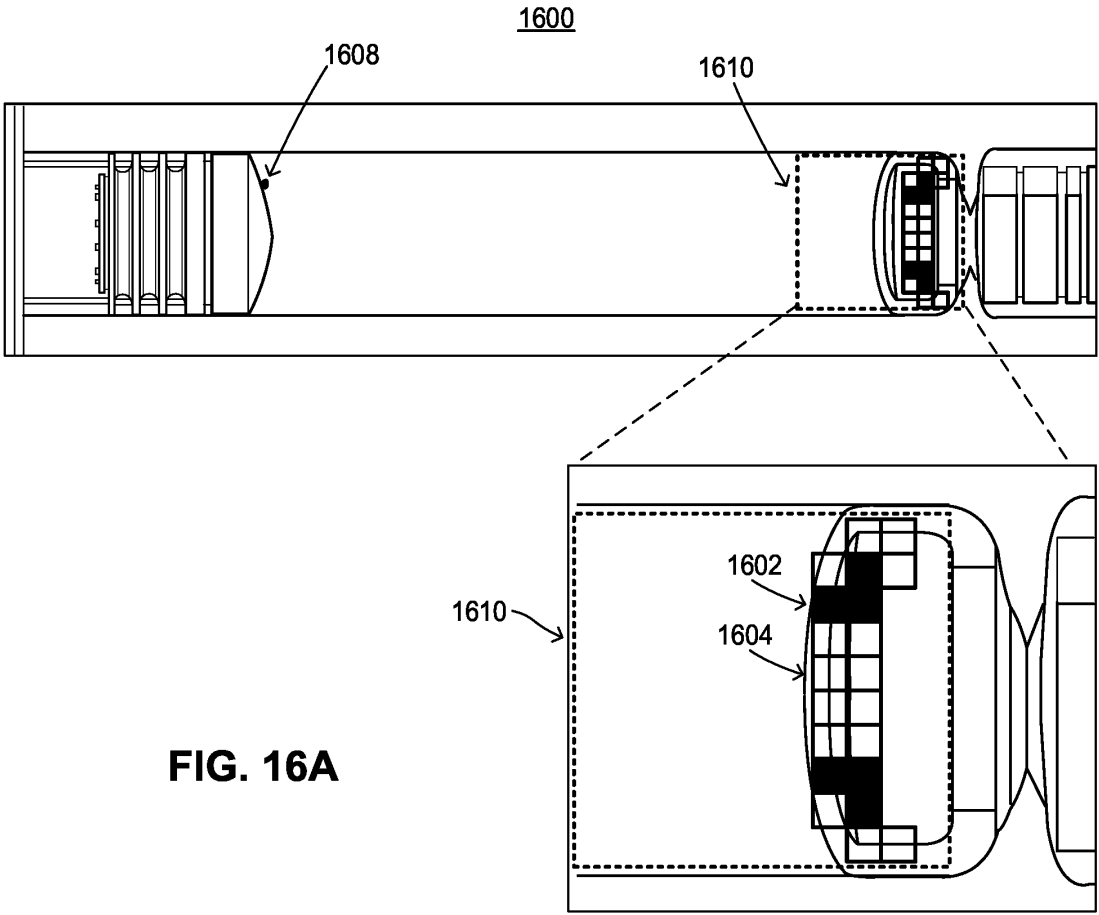


FIG. 15



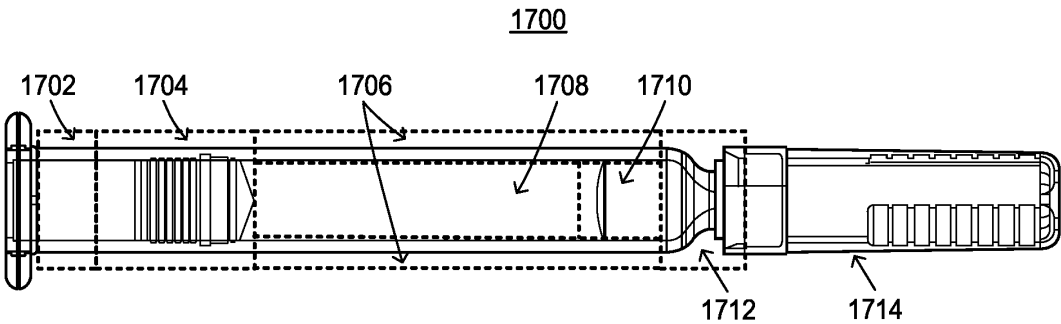


FIG. 17

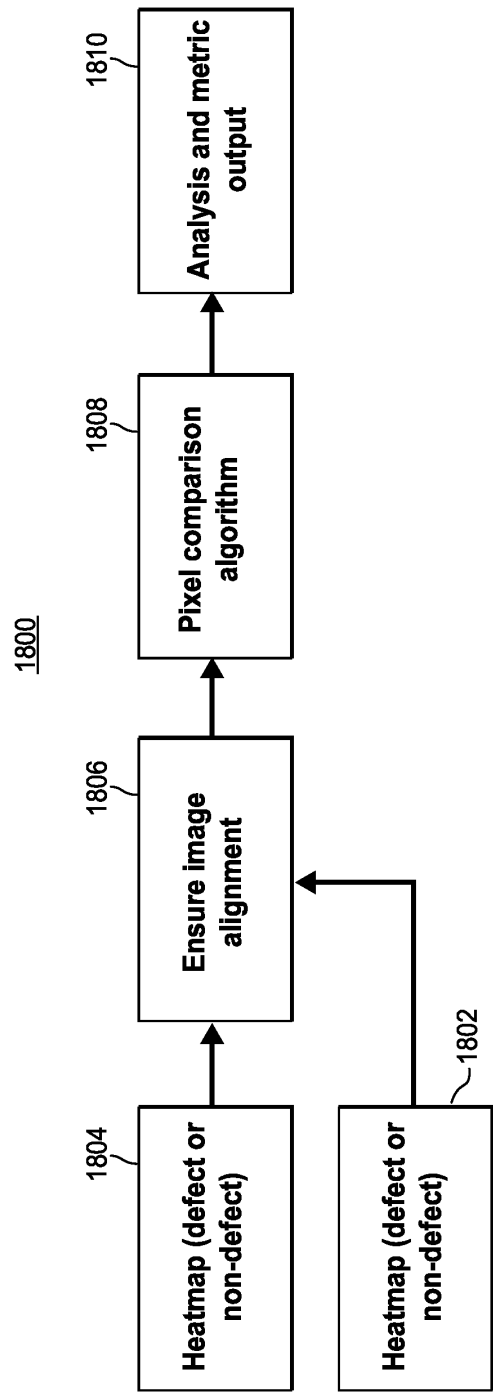


FIG. 18A

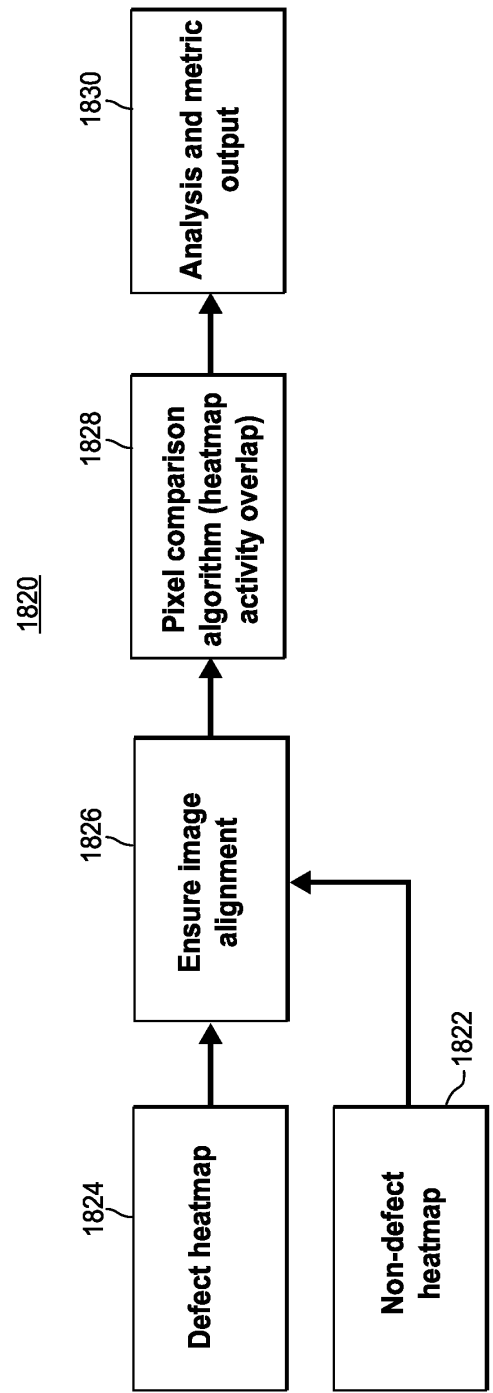


FIG. 18B

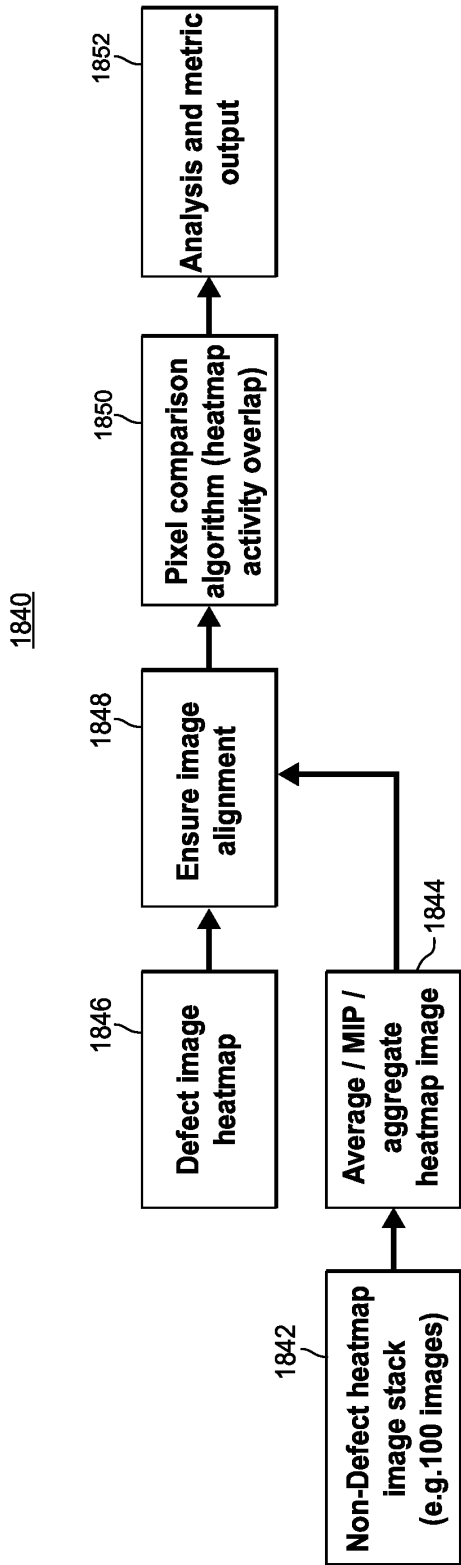


FIG. 18C

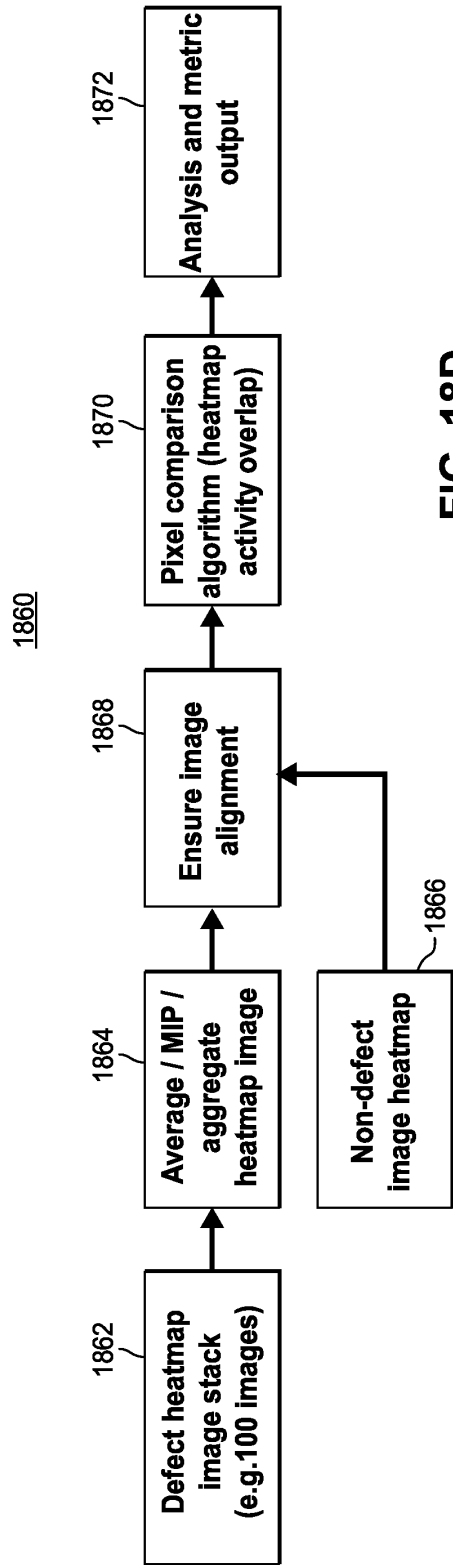
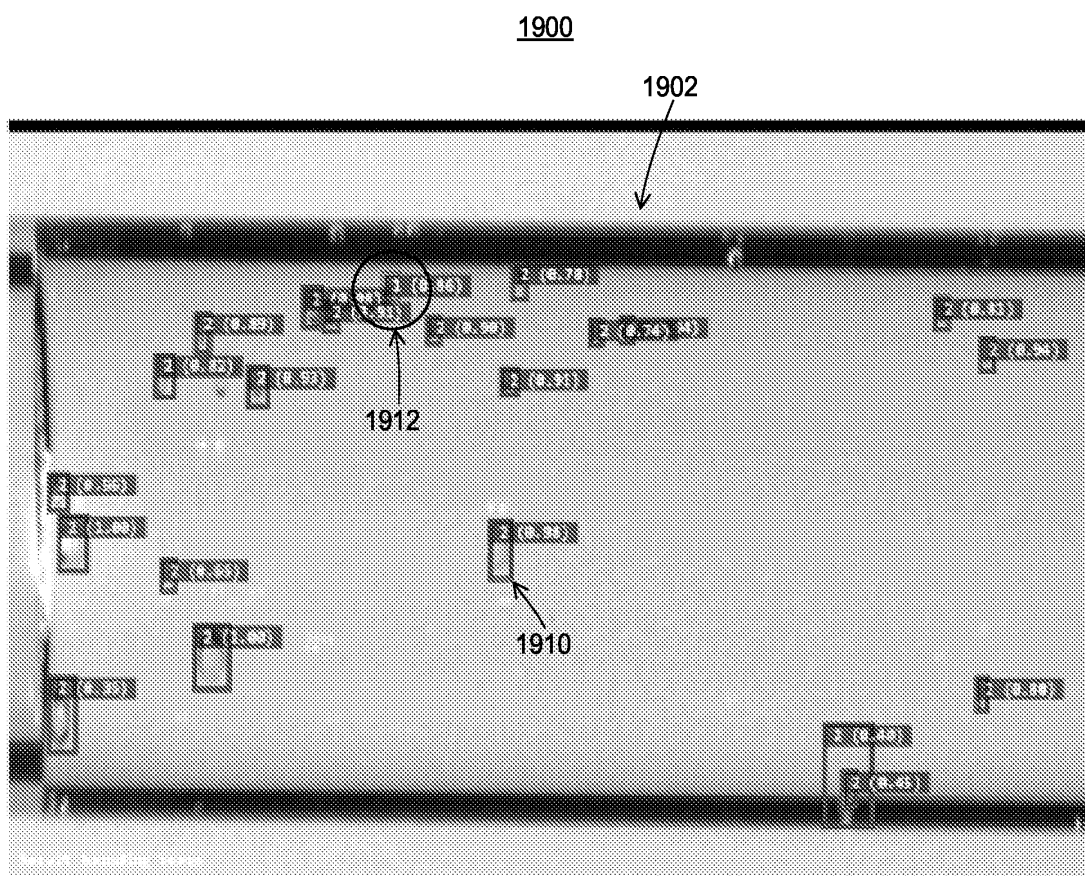


FIG. 18D

**FIG. 19A**

1920

1922

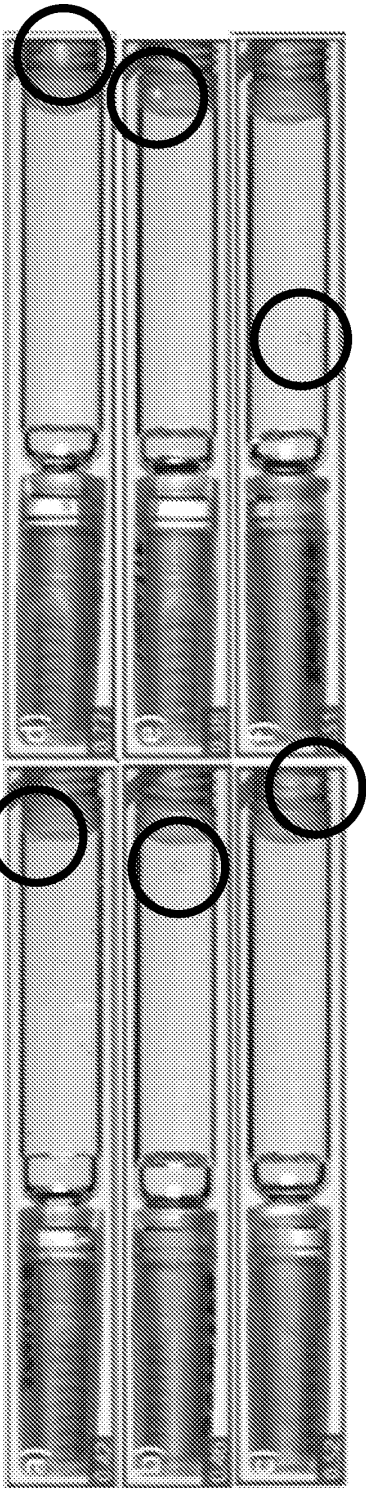
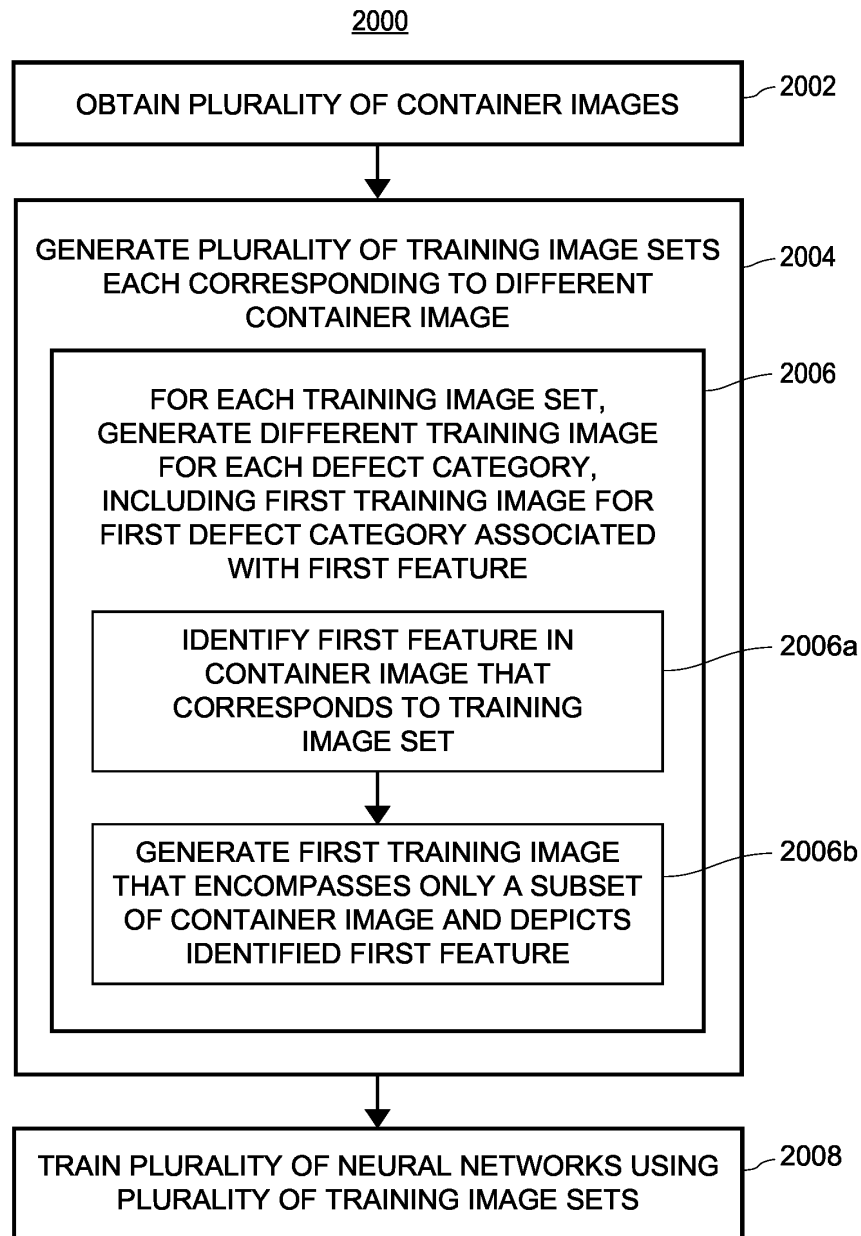


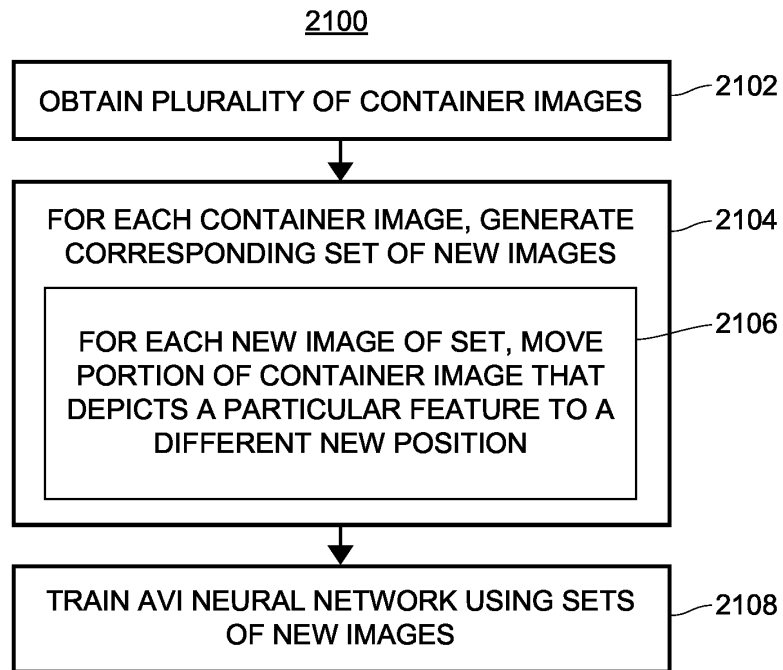
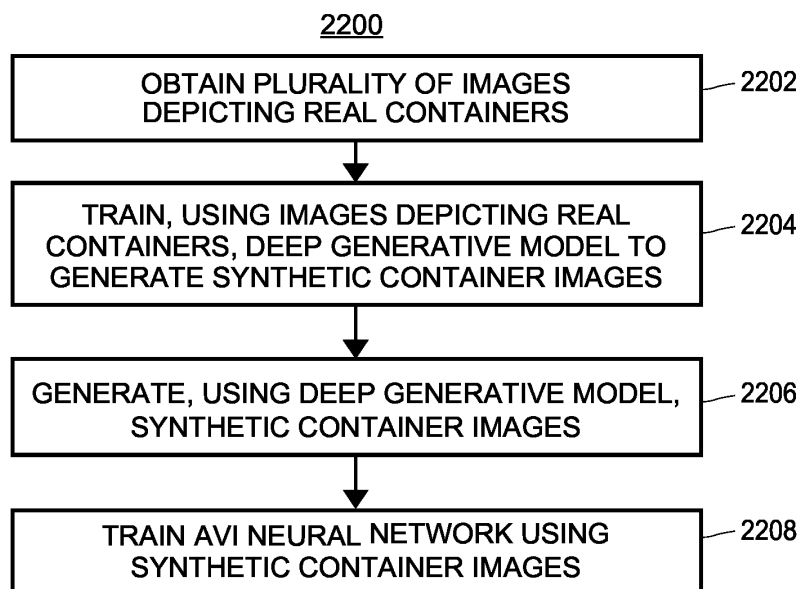
FIG. 19B

1940

			Classification	Segmentation	Object Detection			
			Predicted					
Defect	Ground Truth		Defect	No defect	Defect	No defect	Defect	No defect
300 um Rubber Particle		Defect	30	0	30	0	28	29
		No defect	27	4	0	30	1	2
500 um Fiber		Defect	20	10	20	10	29	1
		No defect	30	0	10	20	1	29
Malformed Ribs		Defect	30	0	30	0	30	0
		No defect	30	0	0	30	0	30
Black Marks		Defect	12	18	30	0	N/A	N/A
		No defect	0	30	0	30	N/A	N/A
White Marks		Defect	7	23	30	0	30	0
		No defect	30	0	0	30	0	30
Stone		Defect	12	18	30	0	30	0
		No defect	25	5	0	30	0	30

FIG. 19C

**FIG. 20**

**FIG. 21****FIG. 22**

