

FIG. 1

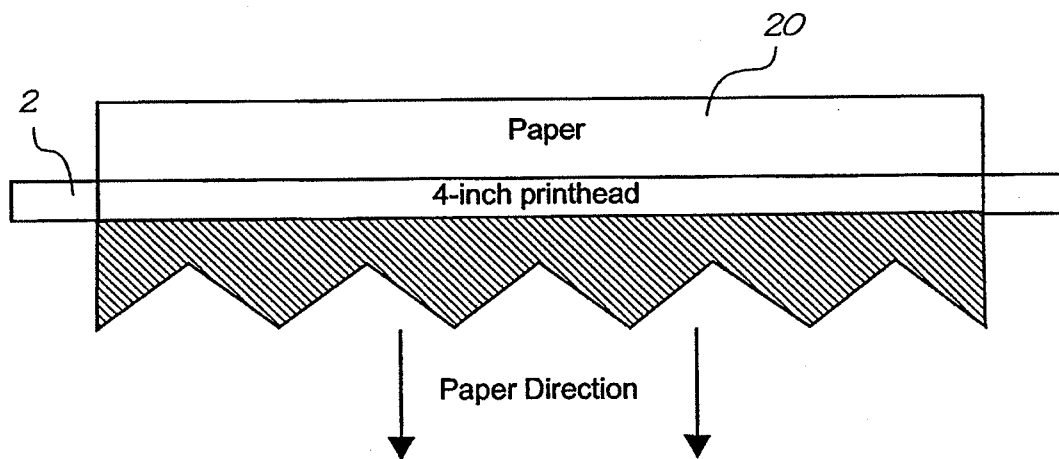


FIG. 4

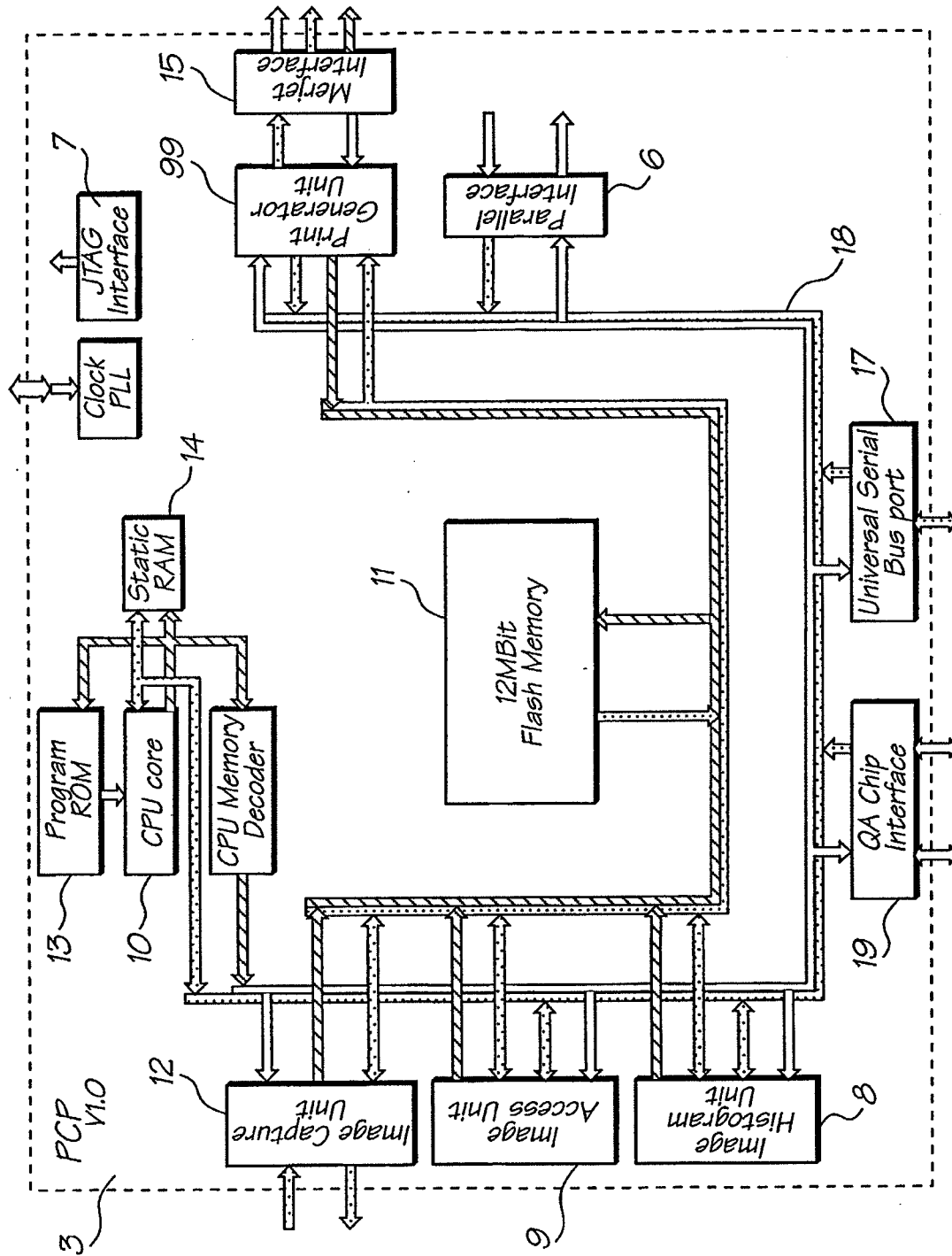


FIG. 2

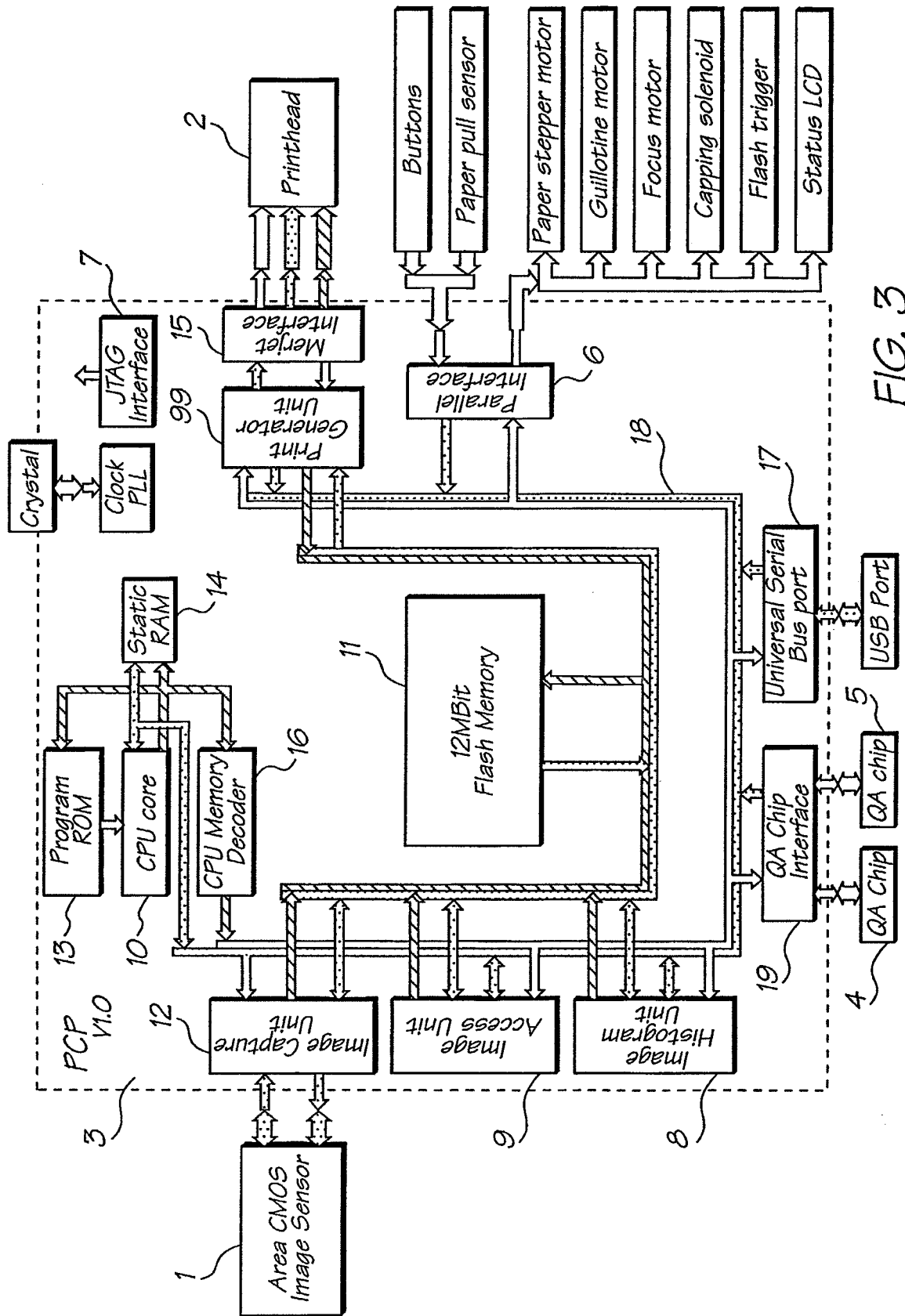
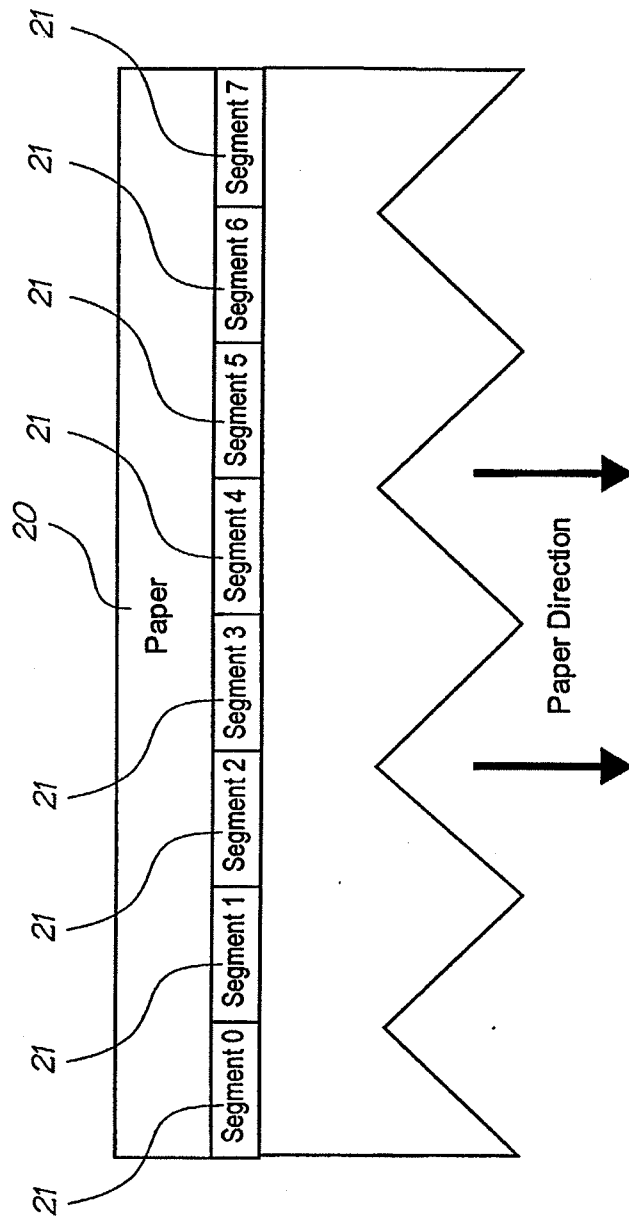


FIG. 3



1 segment
= 0.5 inch
= 12700 μm

FIG. 5

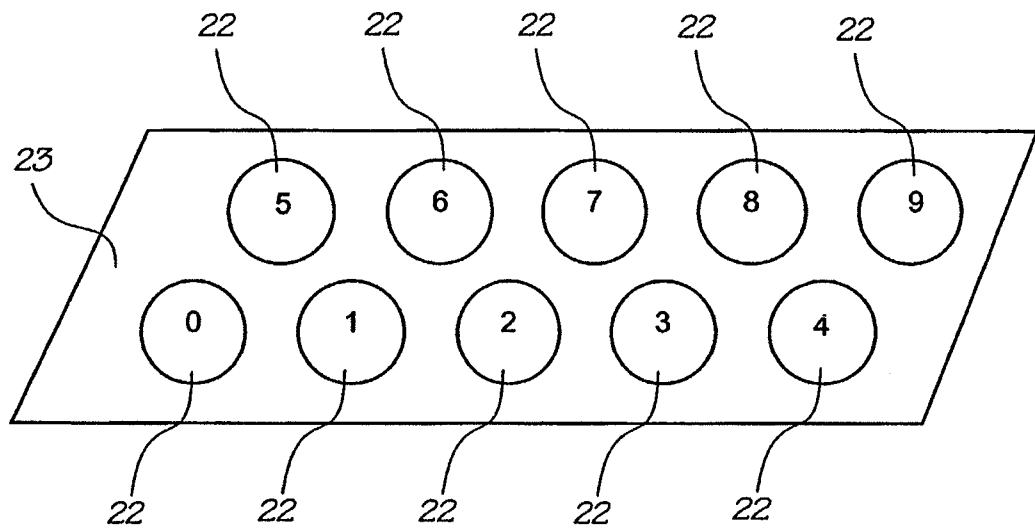


FIG. 6

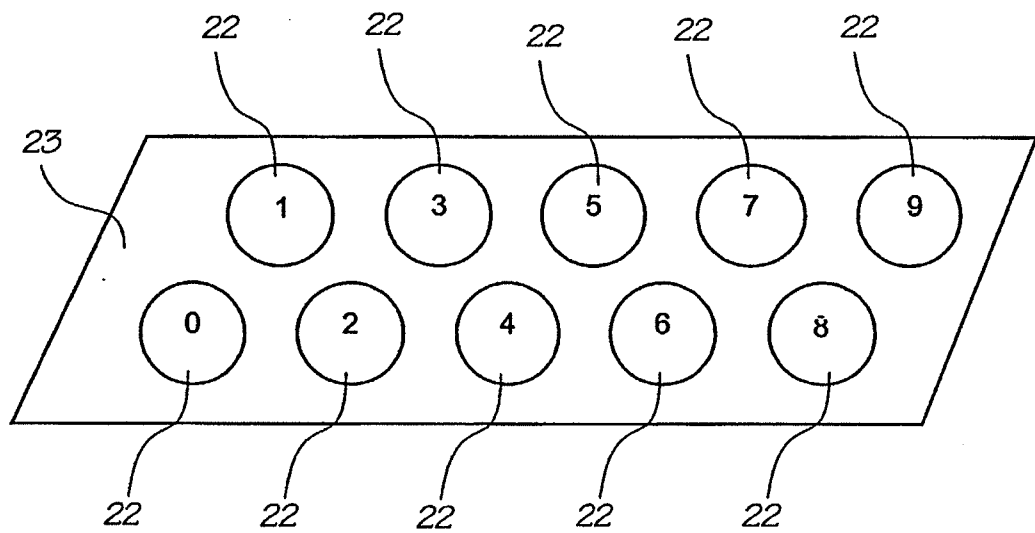


FIG. 7

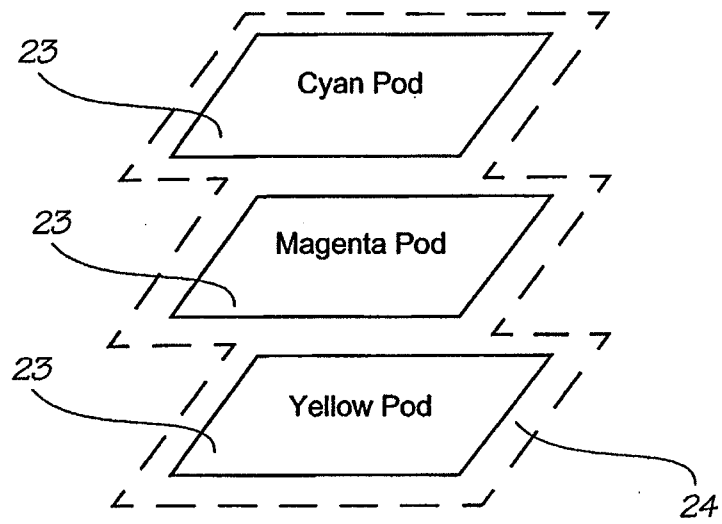


FIG. 8

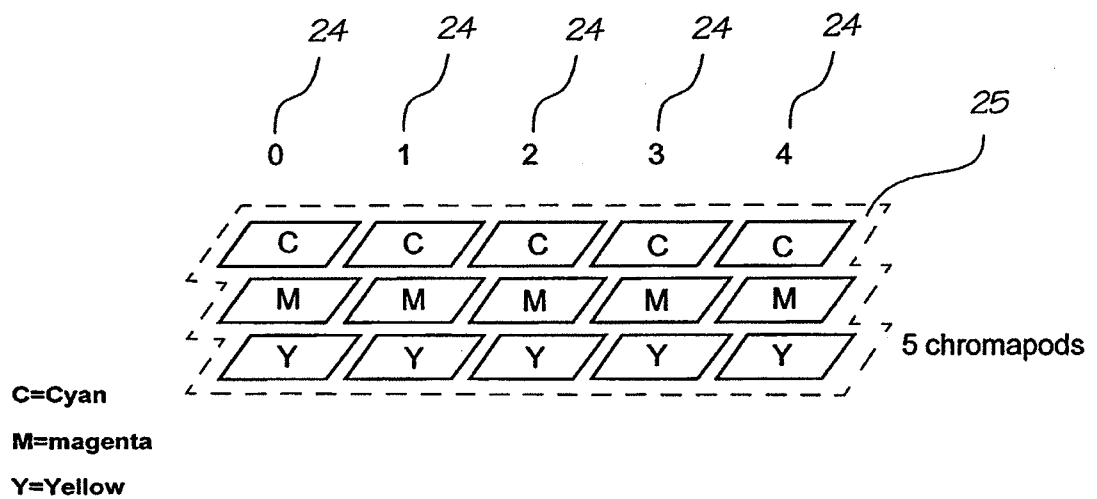


FIG. 9

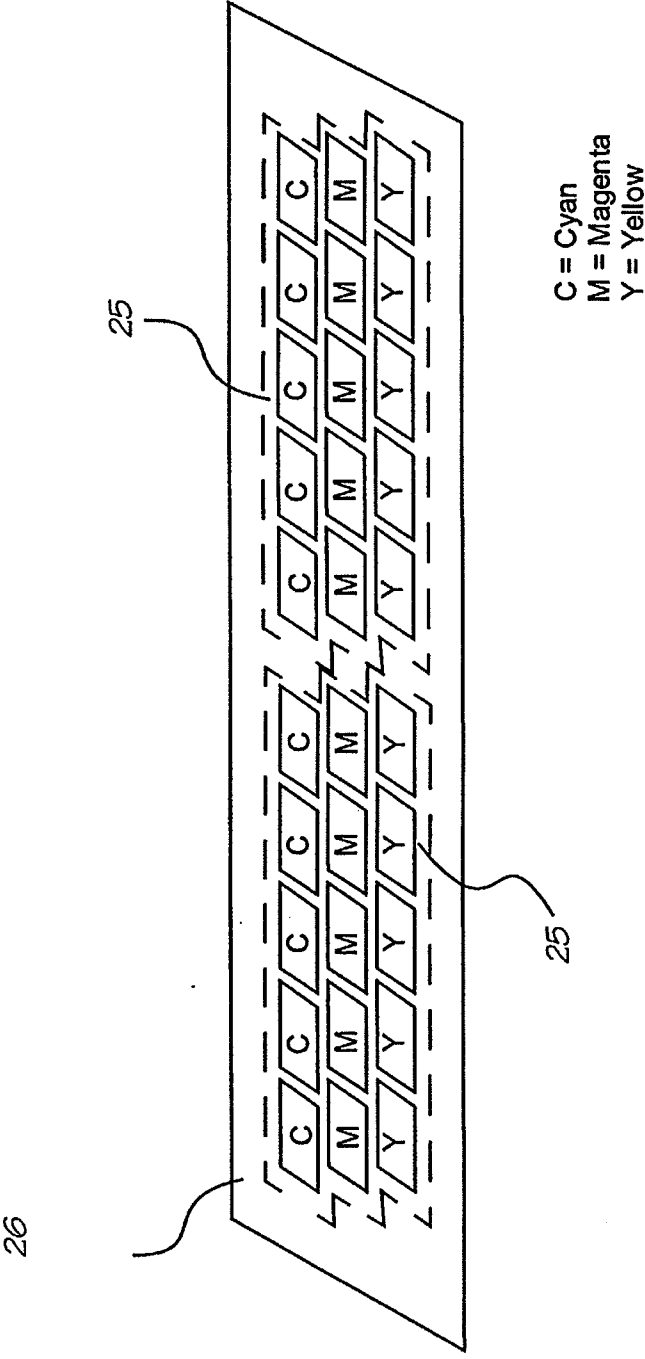


FIG. 10

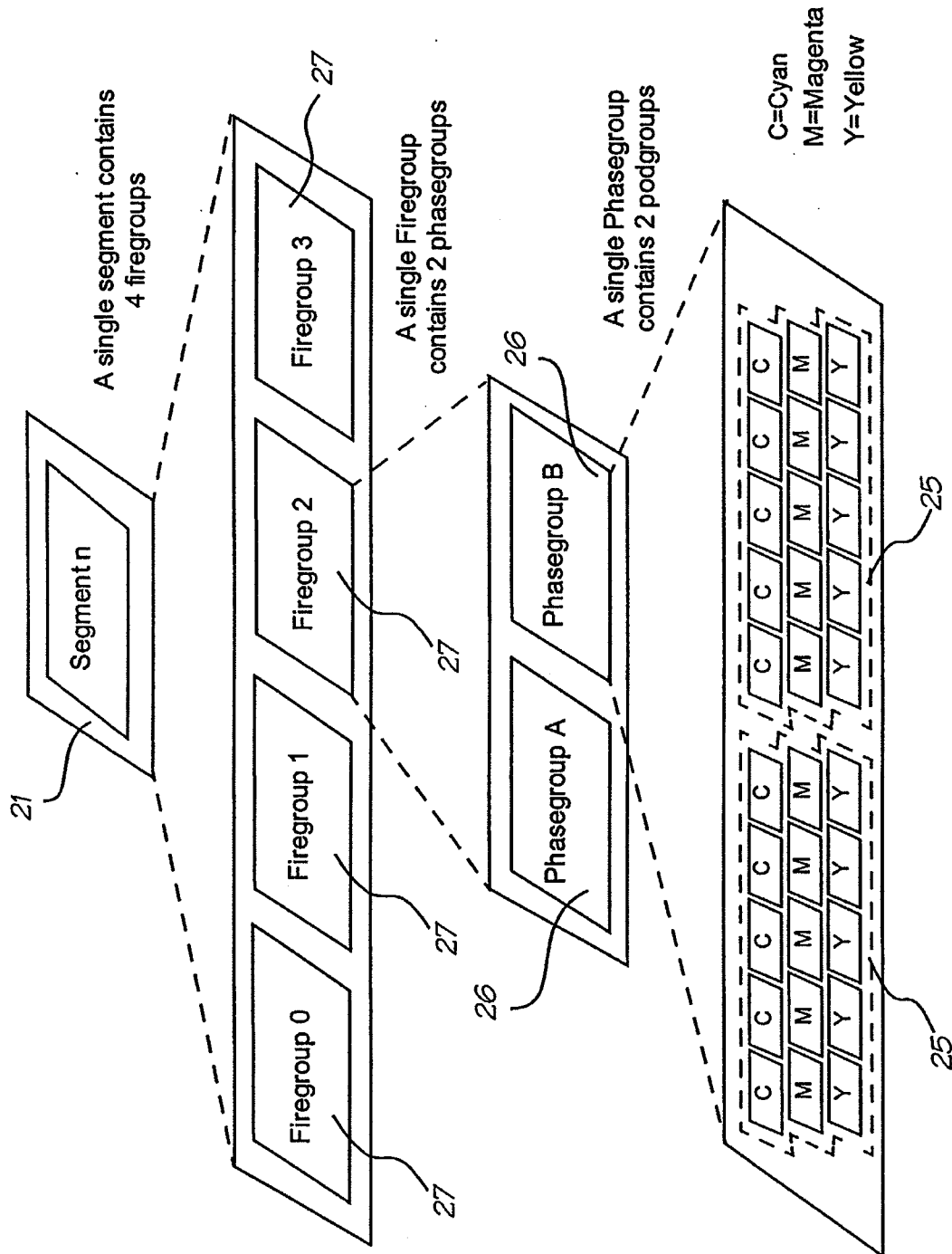


FIG. 11

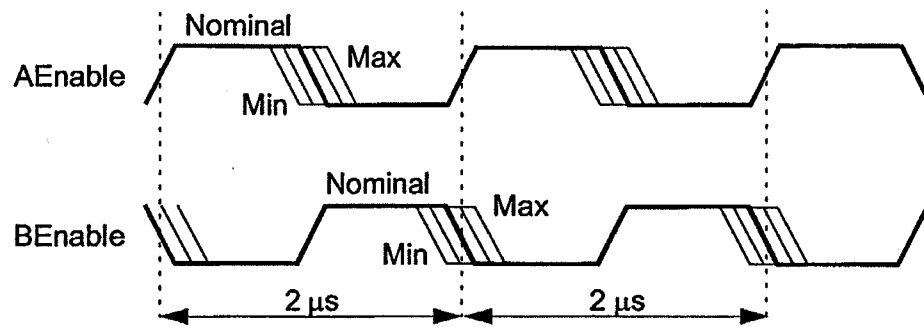


FIG. 12

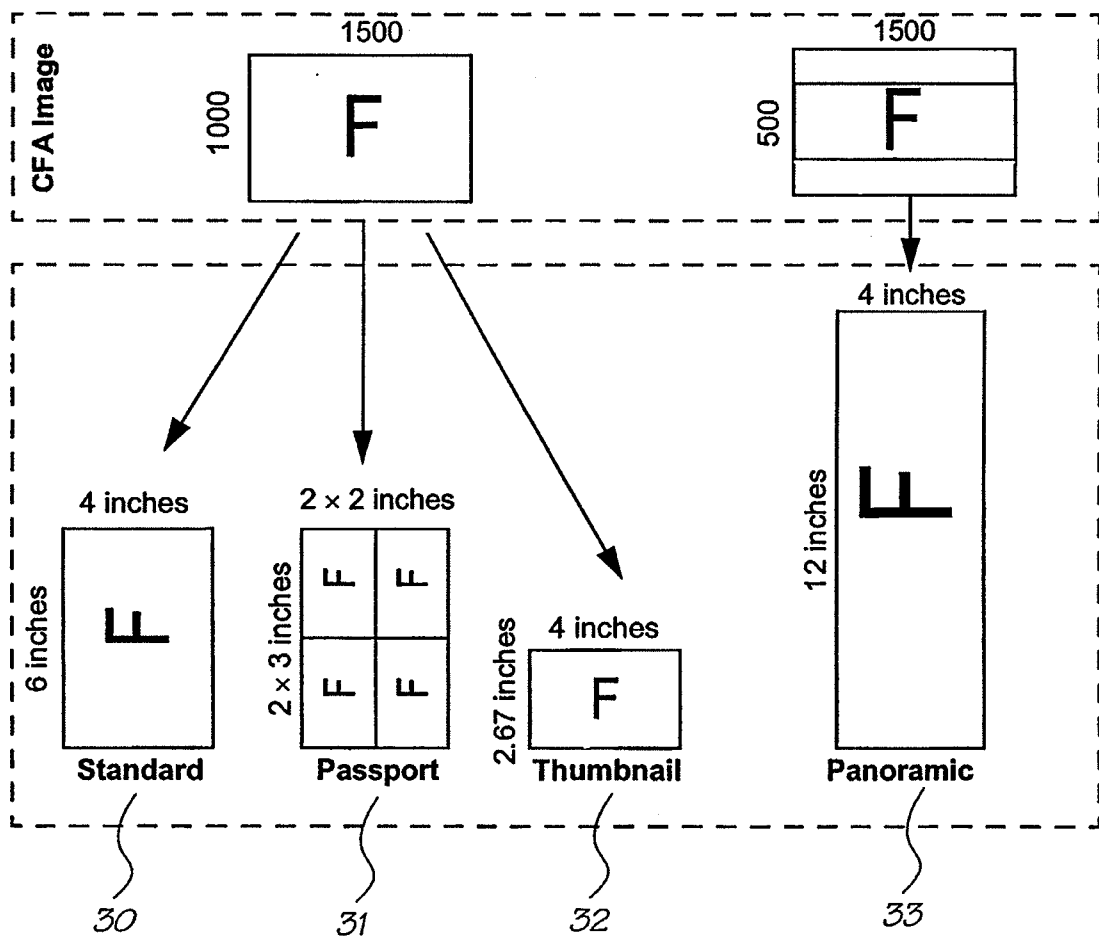


FIG. 13

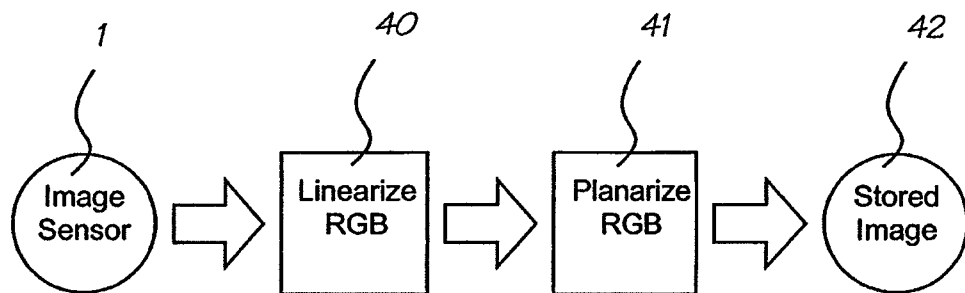


FIG. 14

R	G
G	B

2x2 pixel block
in sensor

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

Bayer mosaic of several
2x2 pixel blocks

FIG. 15

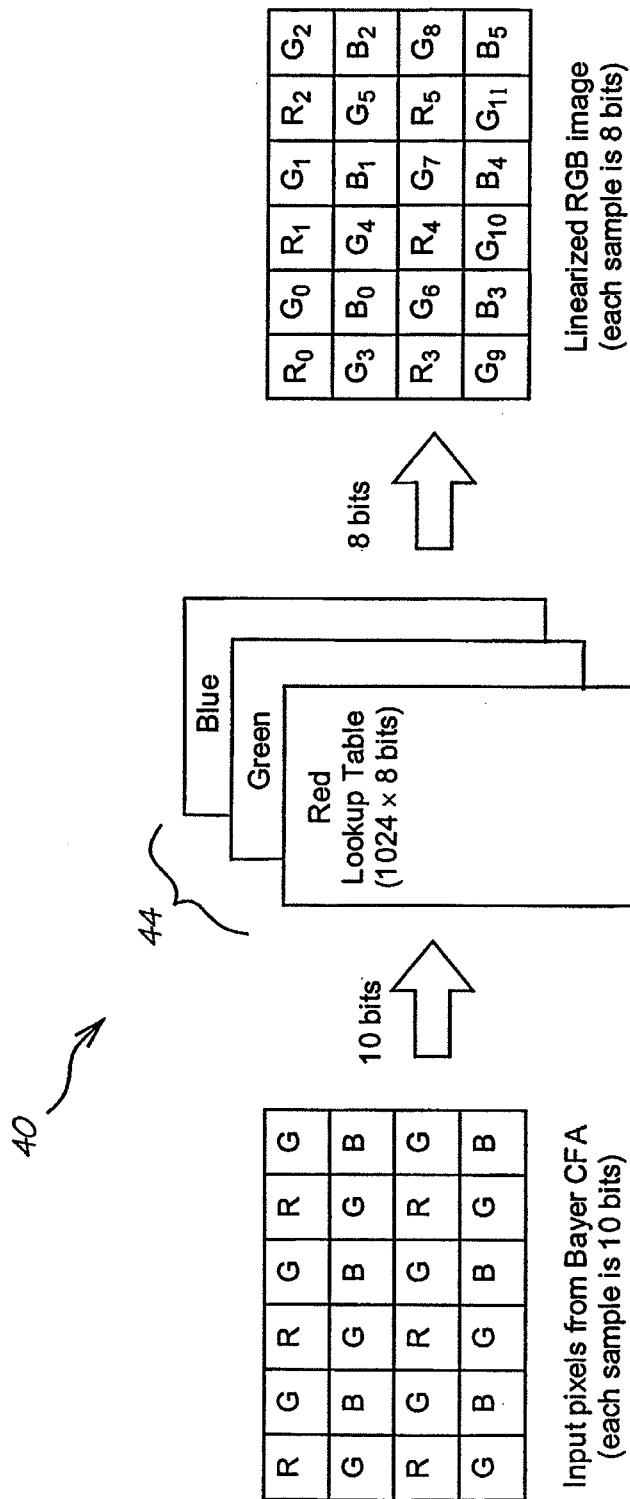


FIG. 16

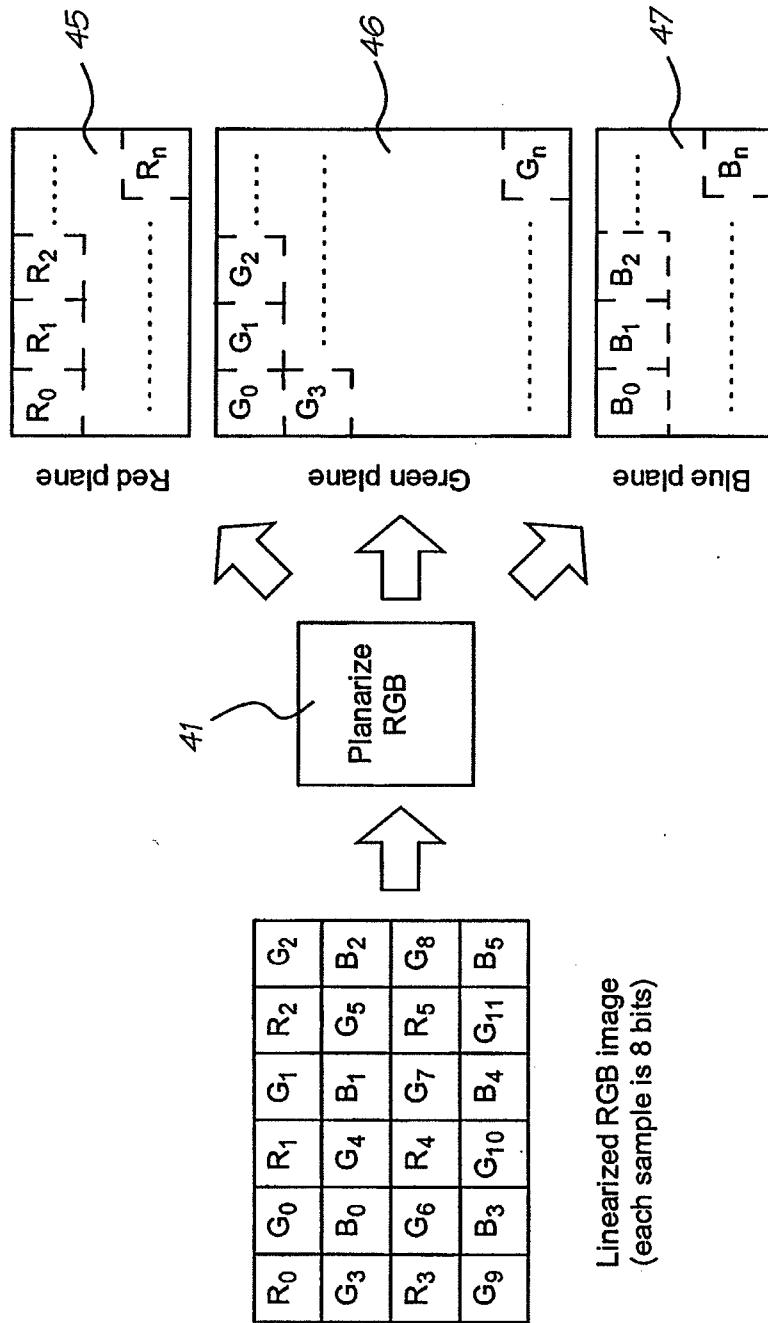


FIG. 17

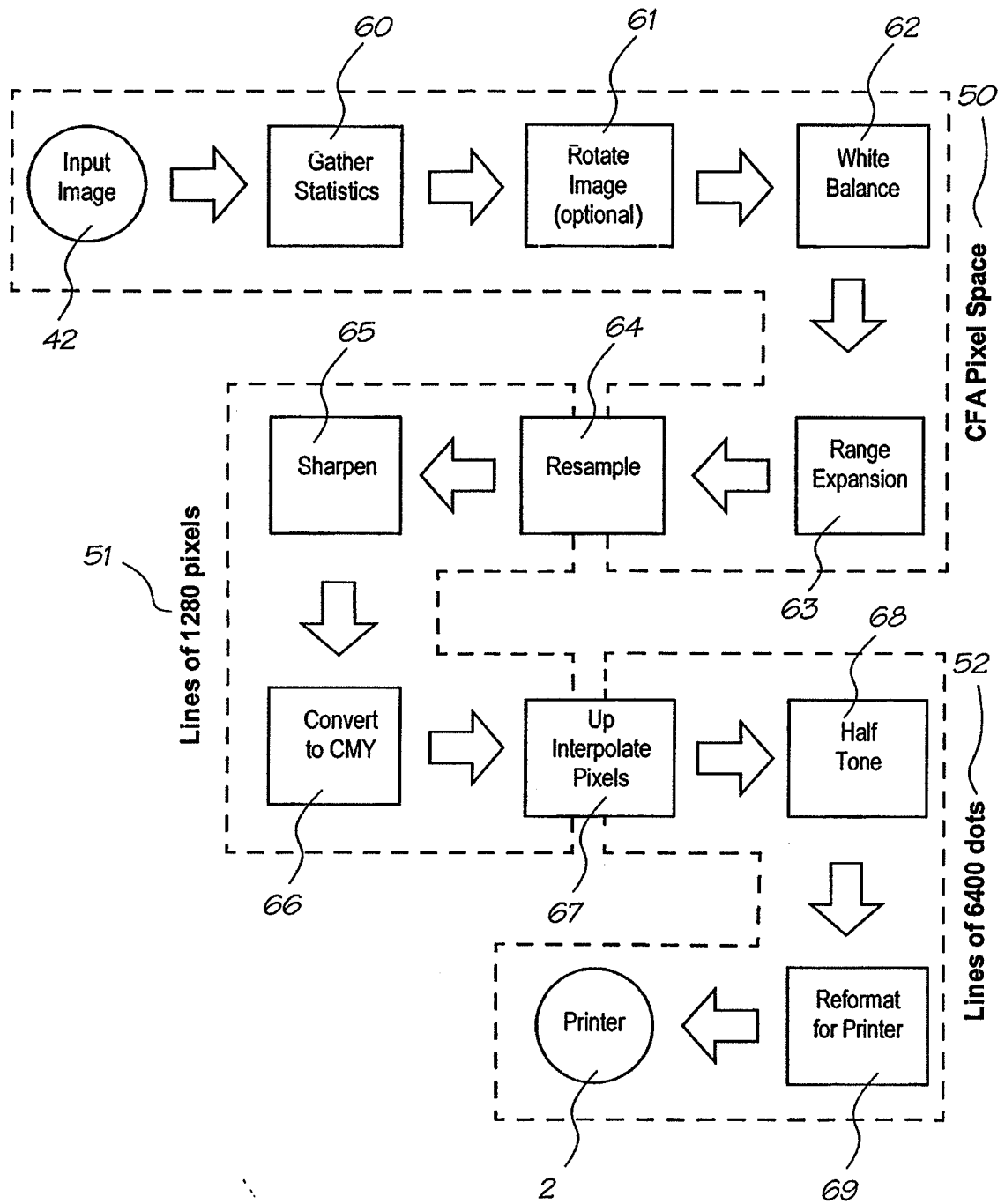


FIG. 18

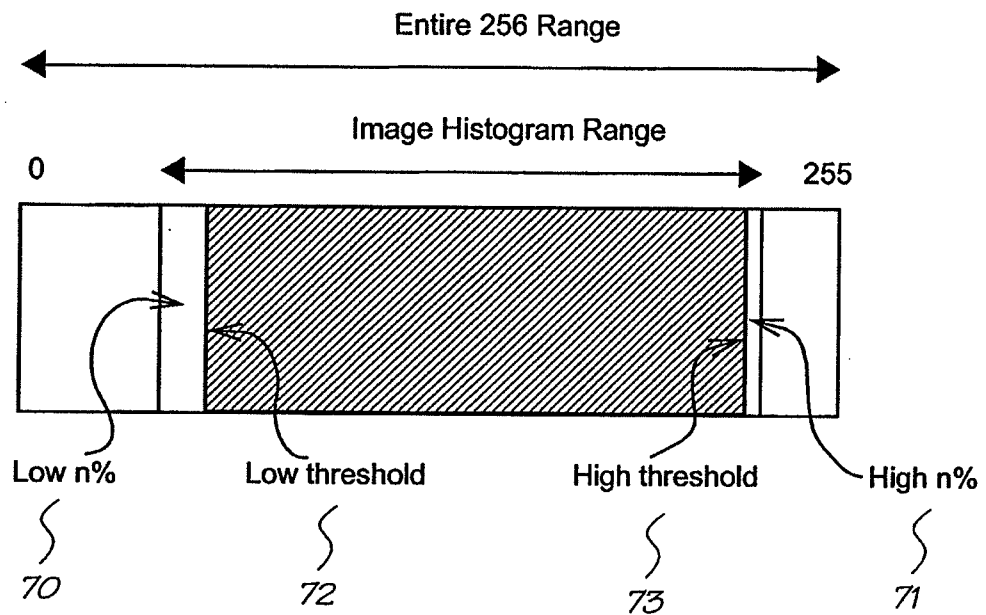


FIG. 19

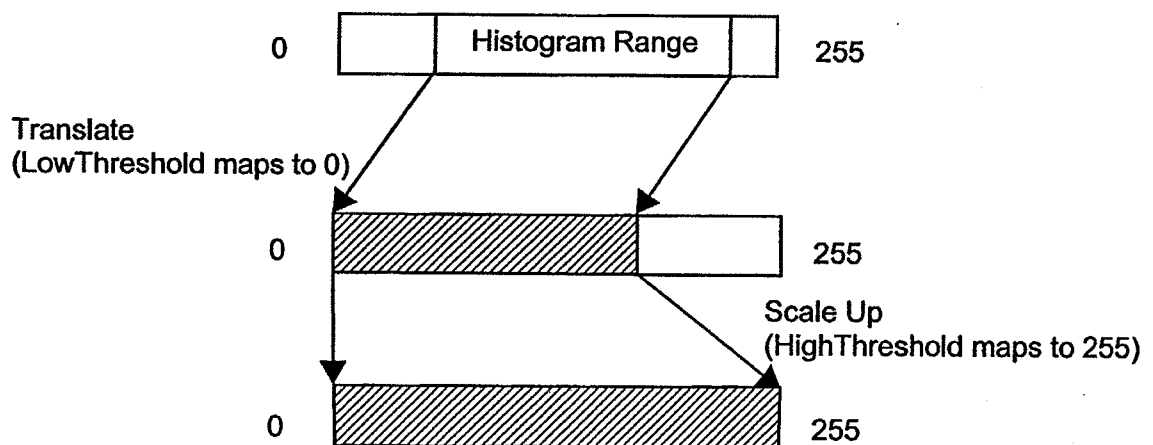


FIG. 20

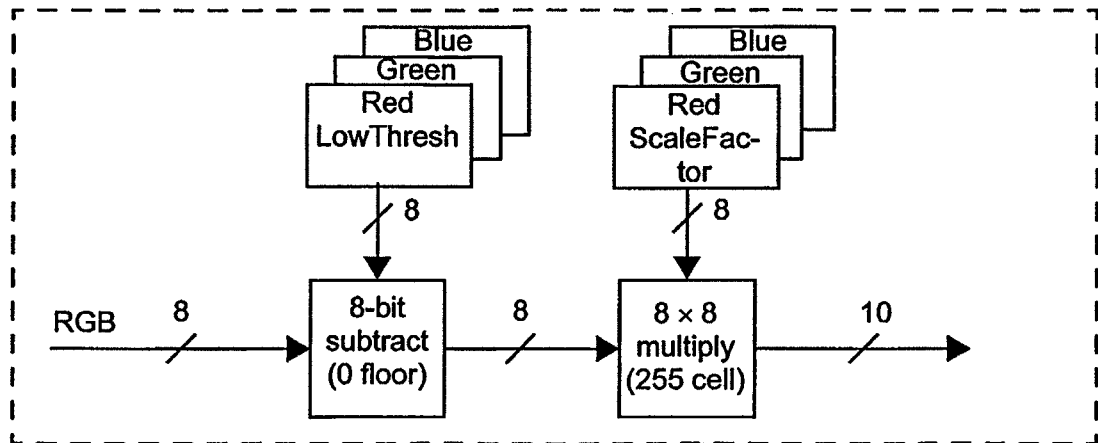


FIG. 21

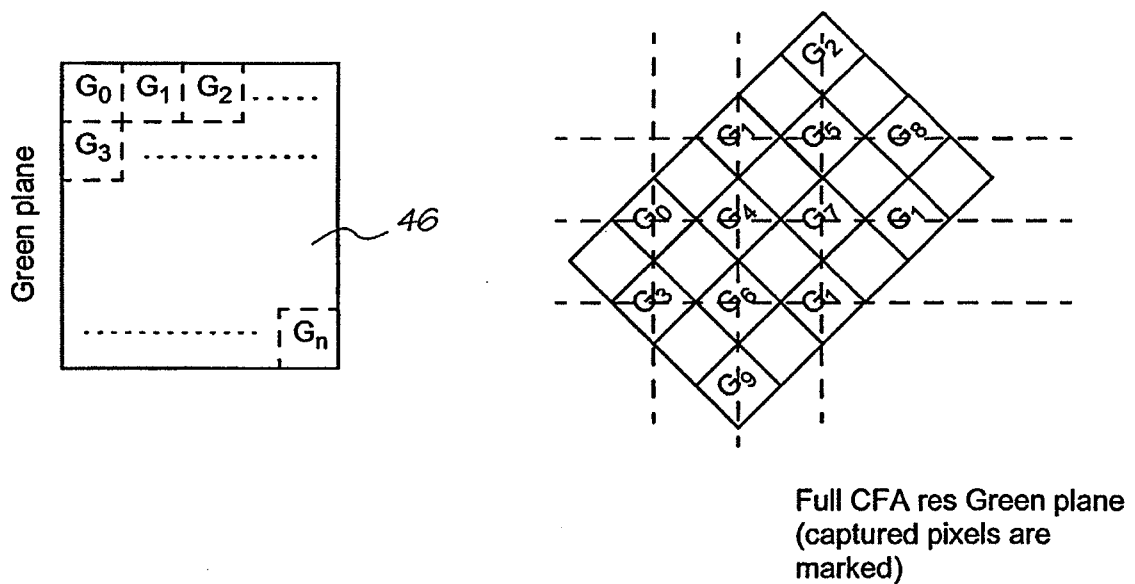


FIG. 23

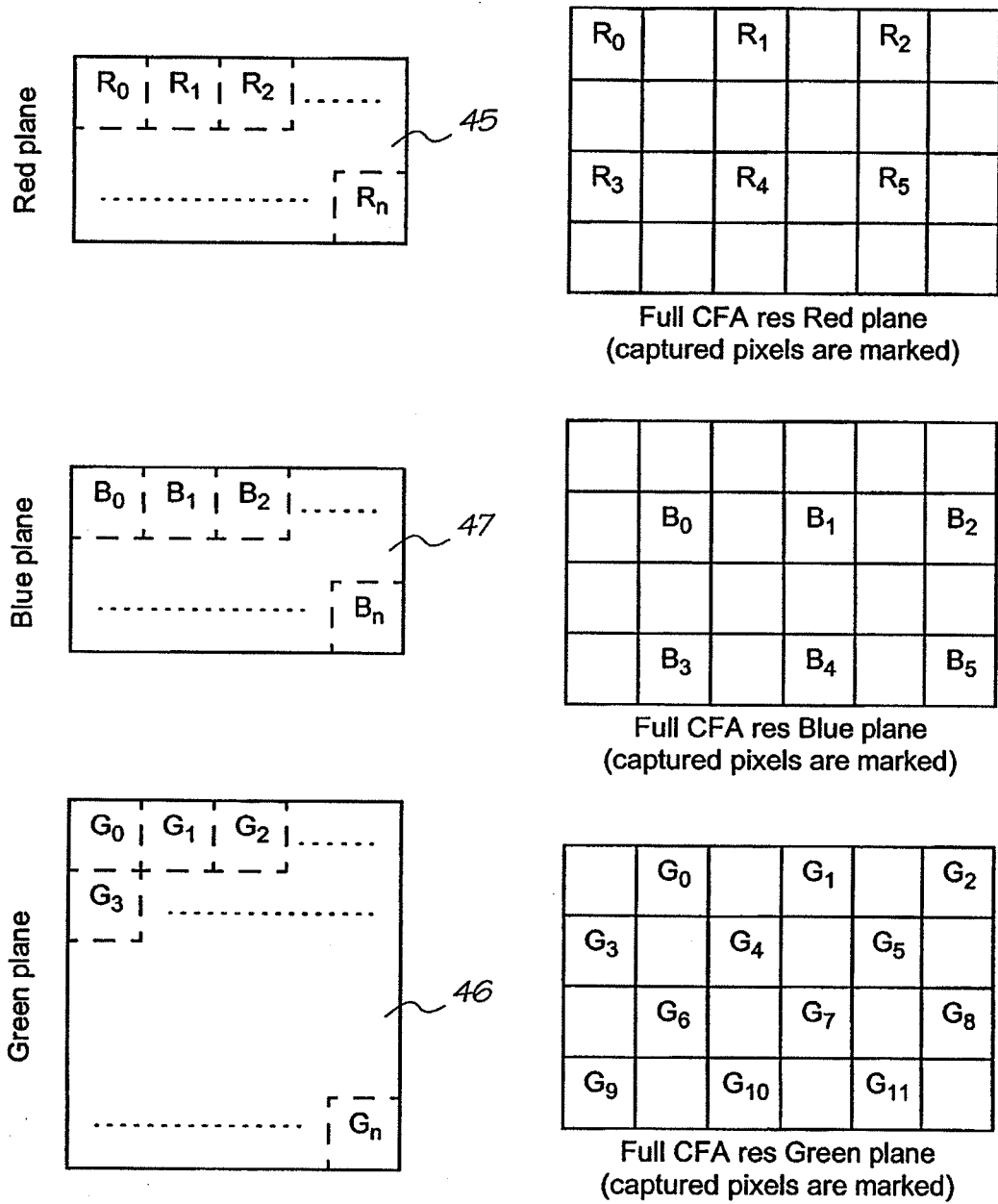


FIG. 22

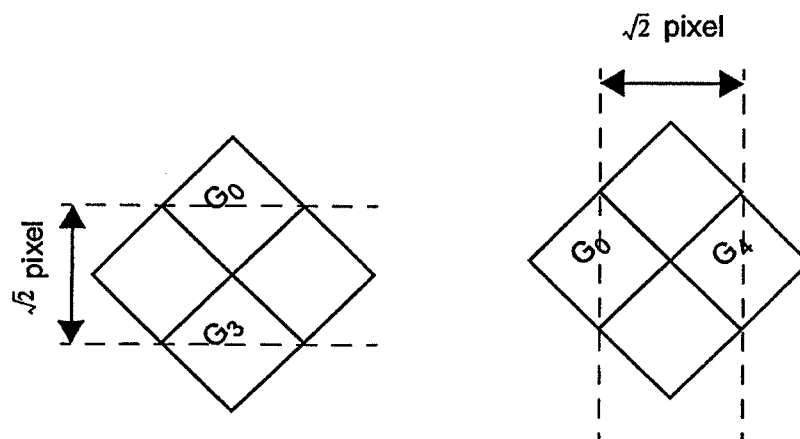


FIG. 24

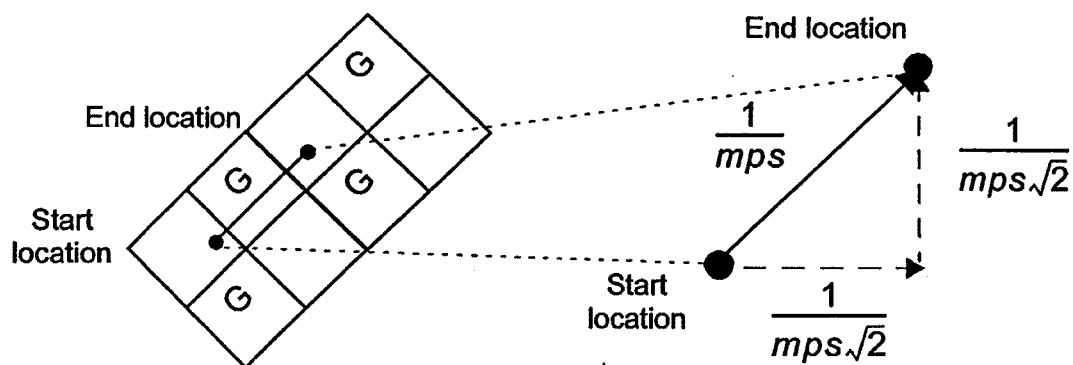


FIG. 25

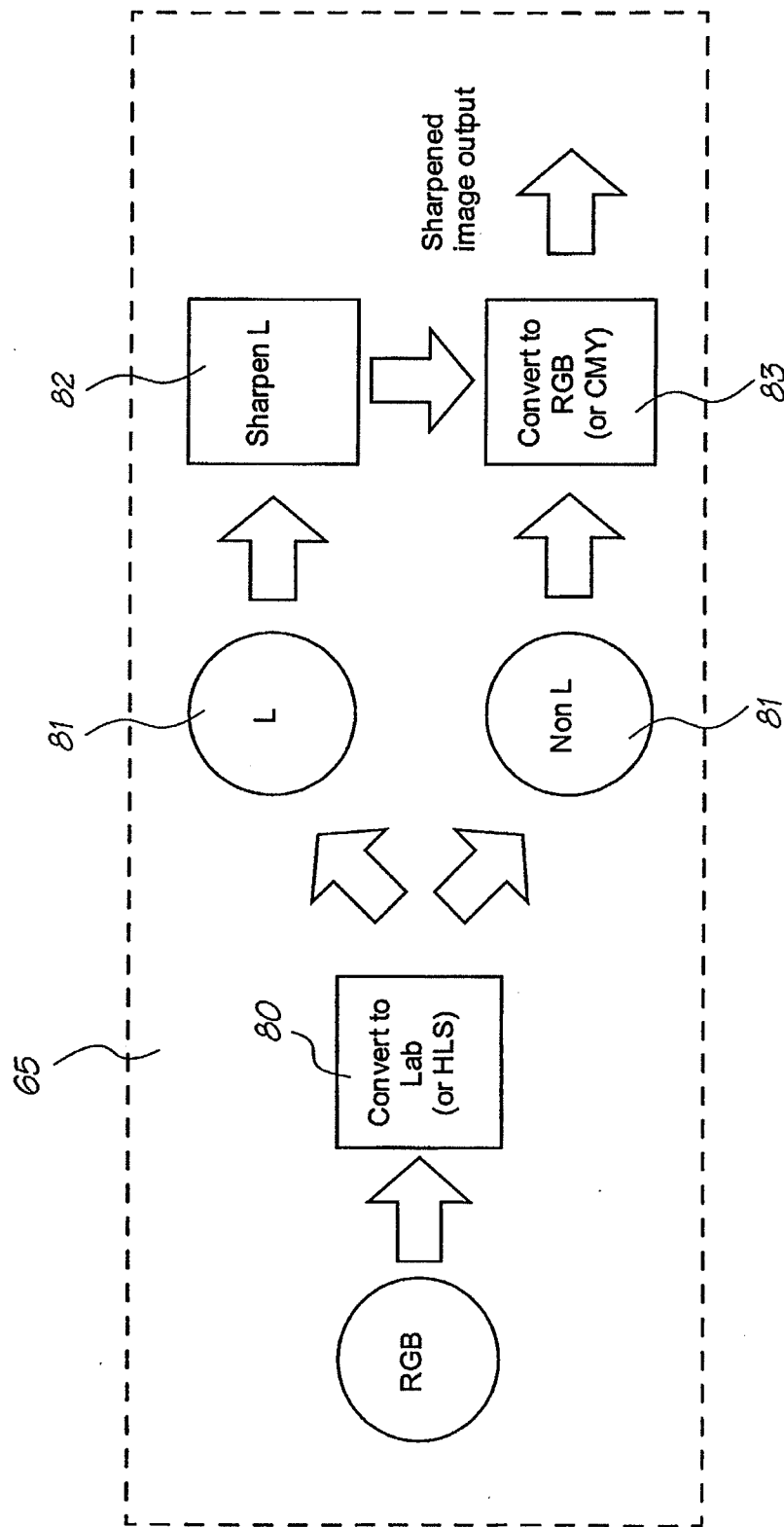


FIG. 26

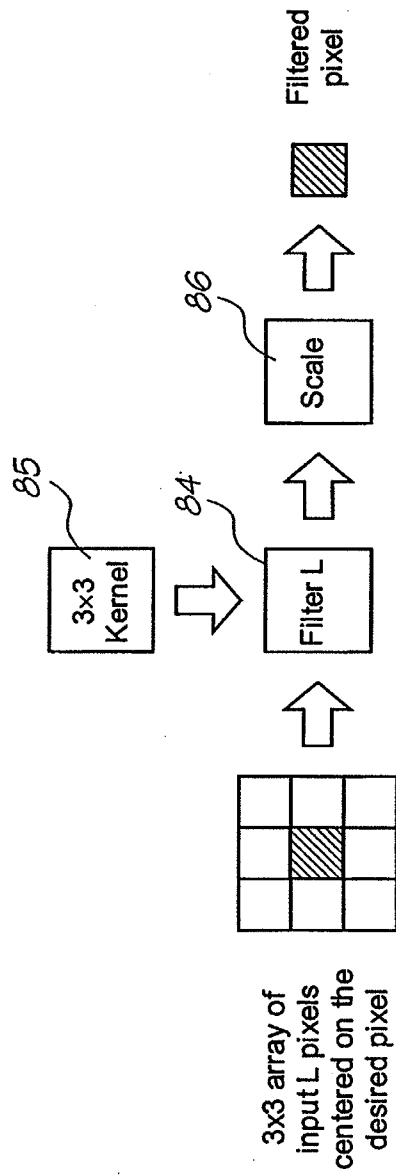


FIG. 27

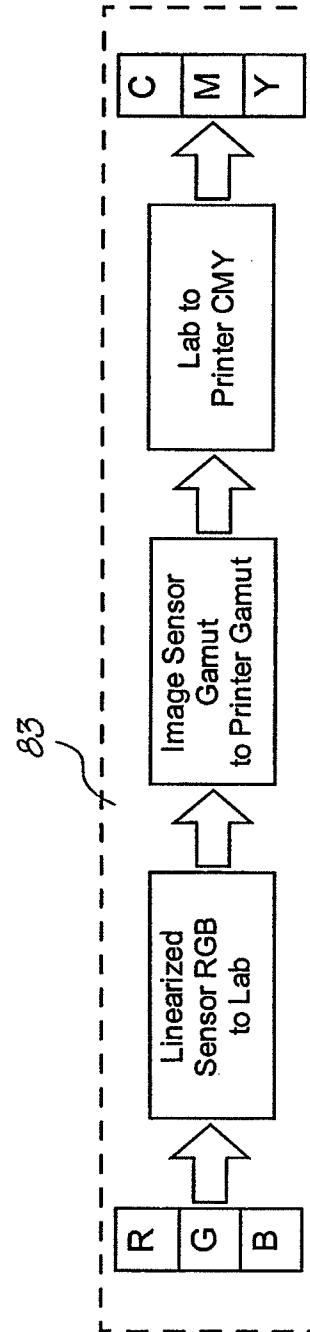


FIG. 28

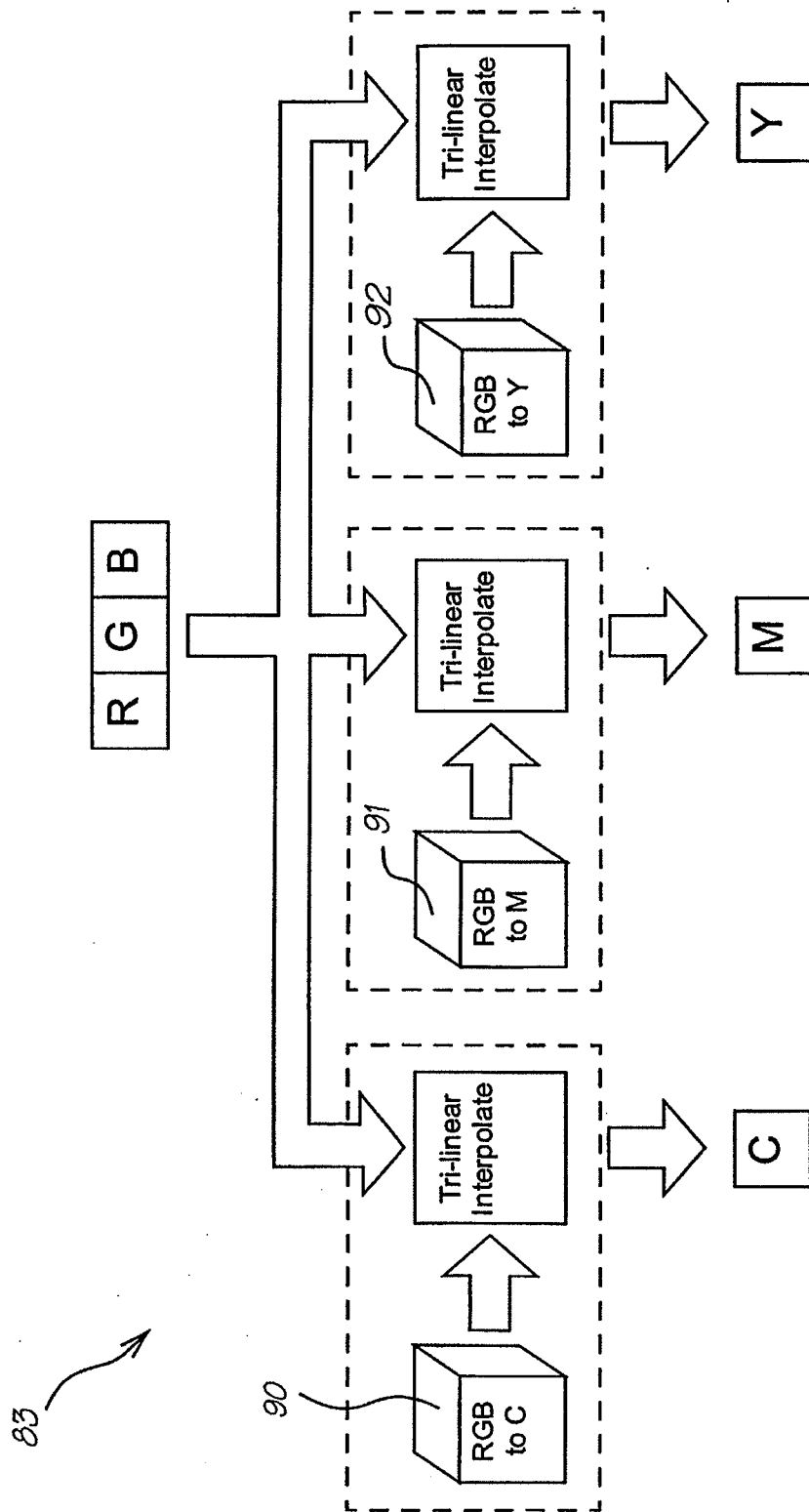


FIG. 29

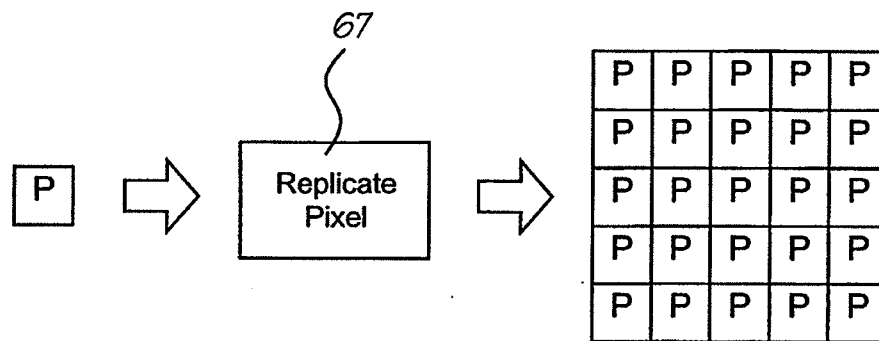


FIG. 30

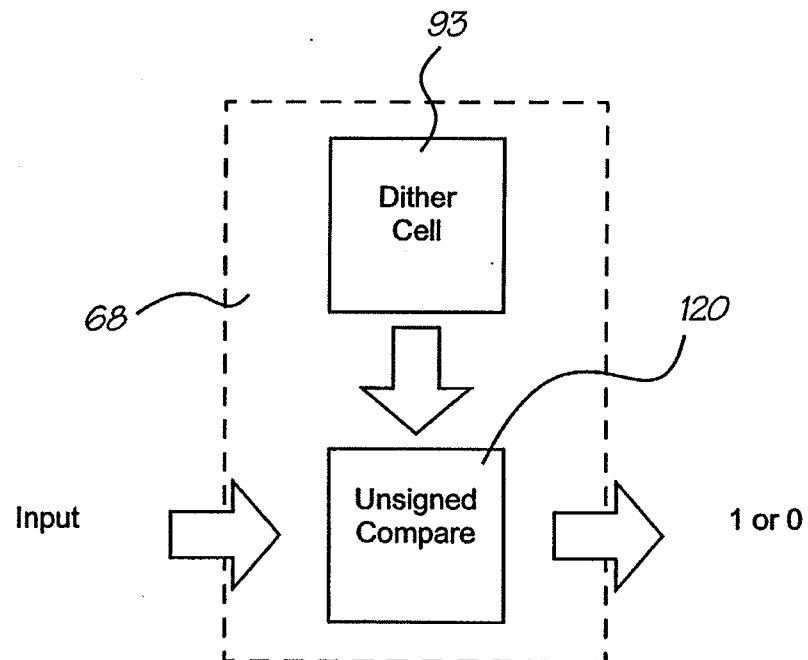


FIG. 31

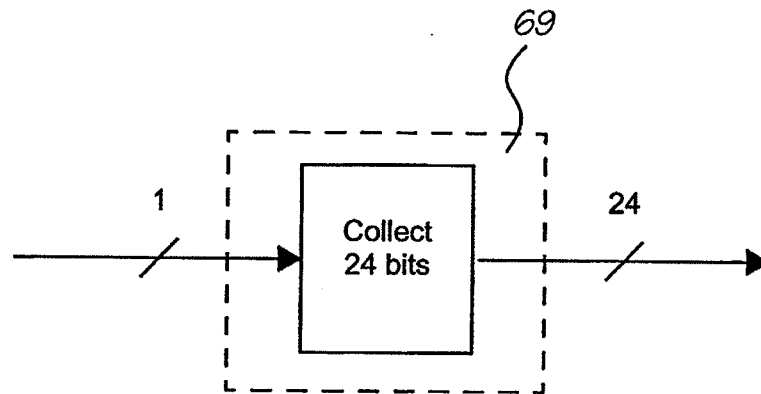


FIG. 32

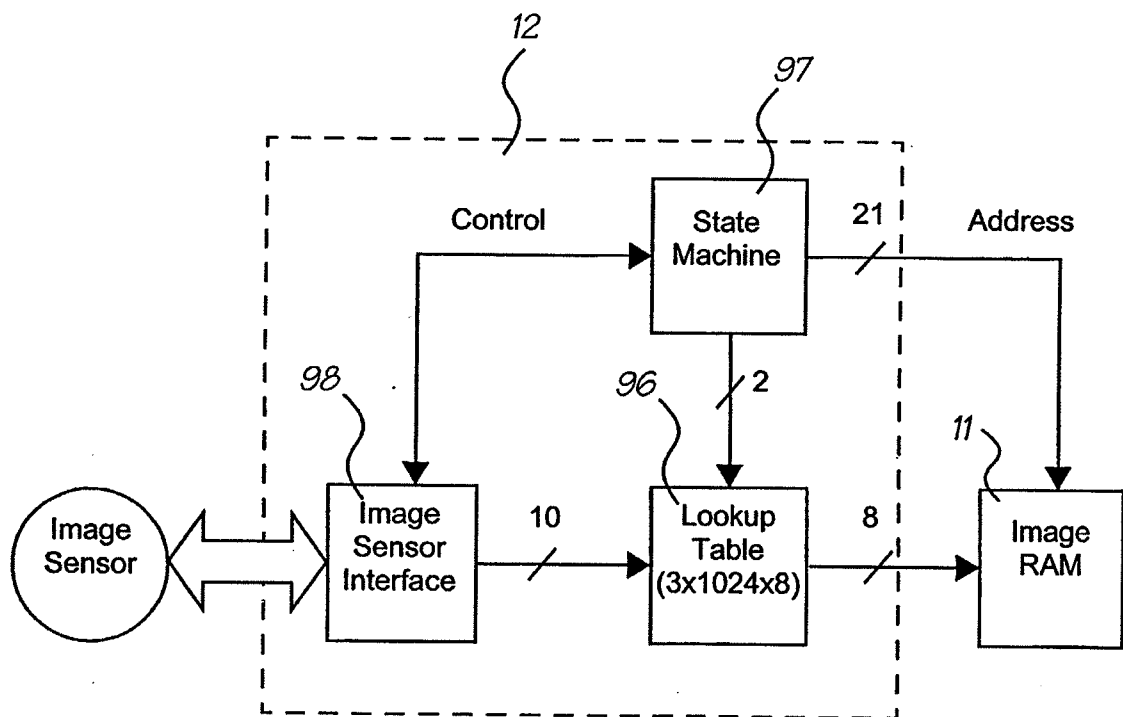


FIG. 33

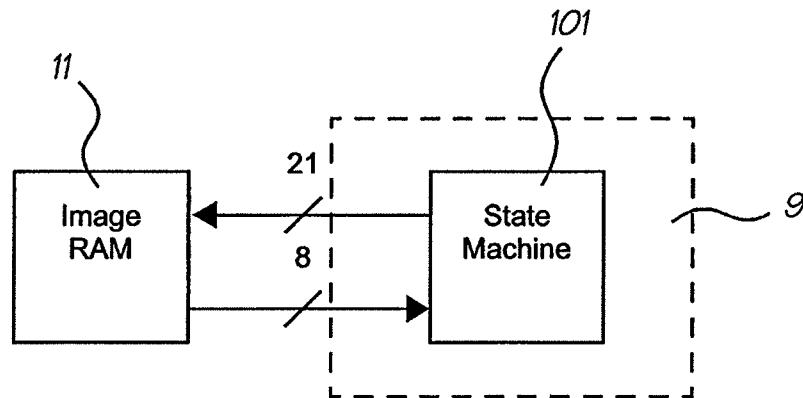


FIG. 35

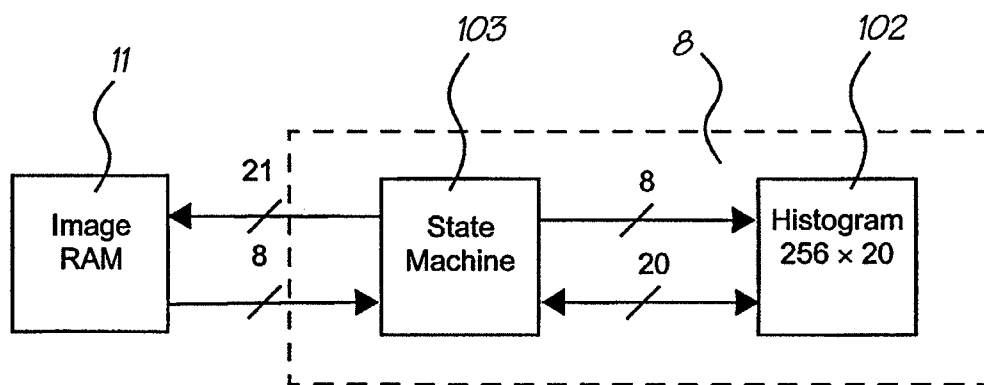


FIG. 36

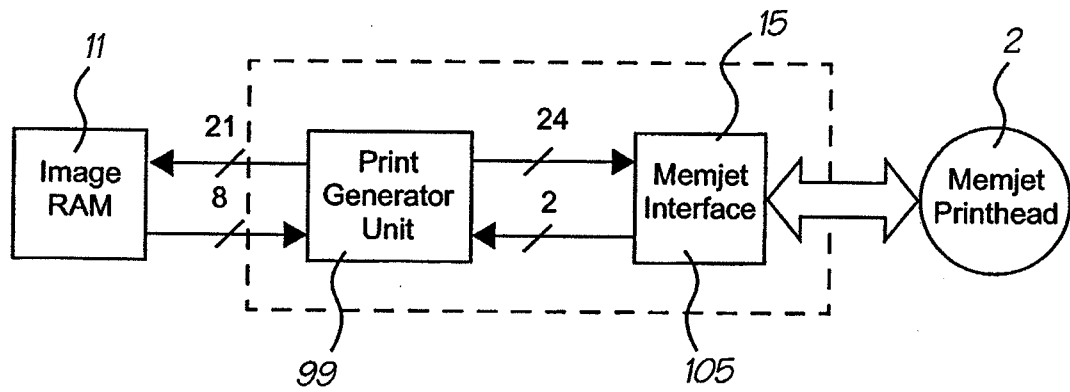


FIG. 37

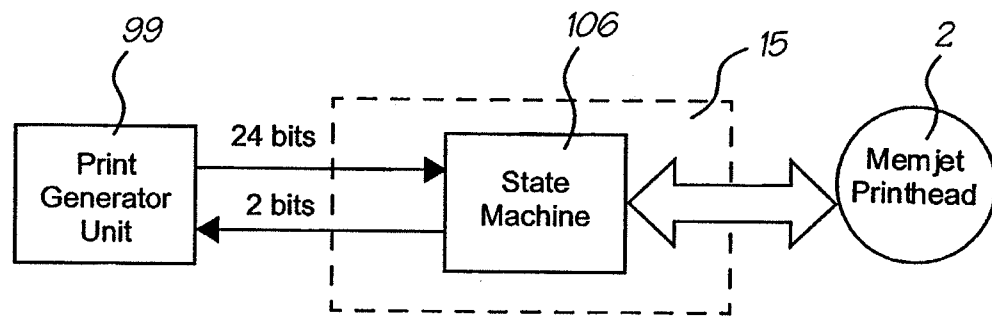


FIG. 38

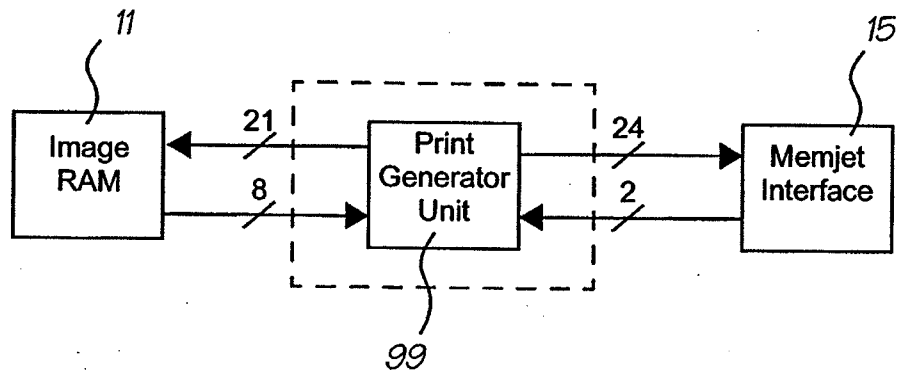


FIG. 41

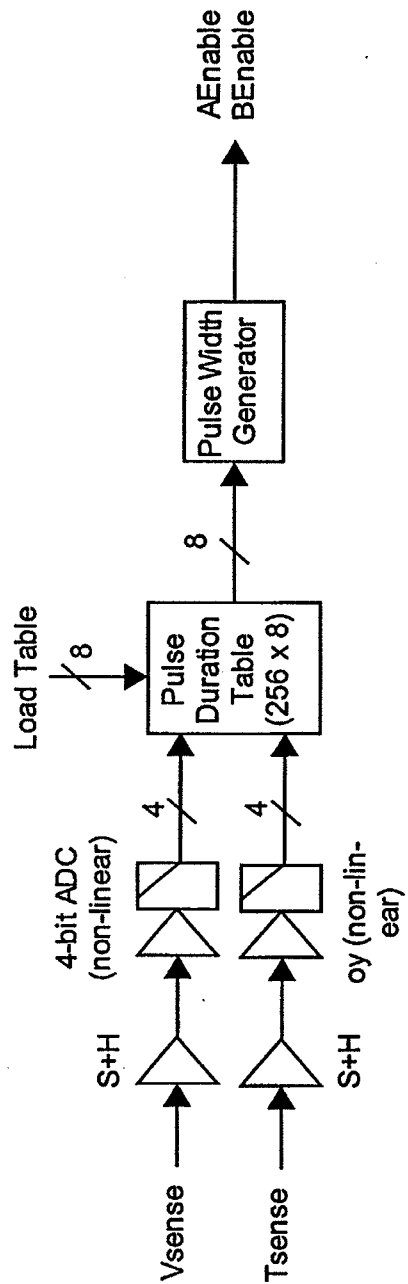


FIG. 39

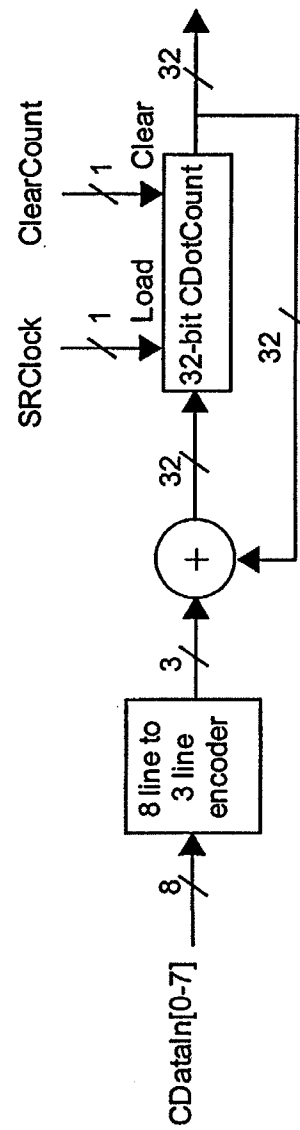


FIG. 40

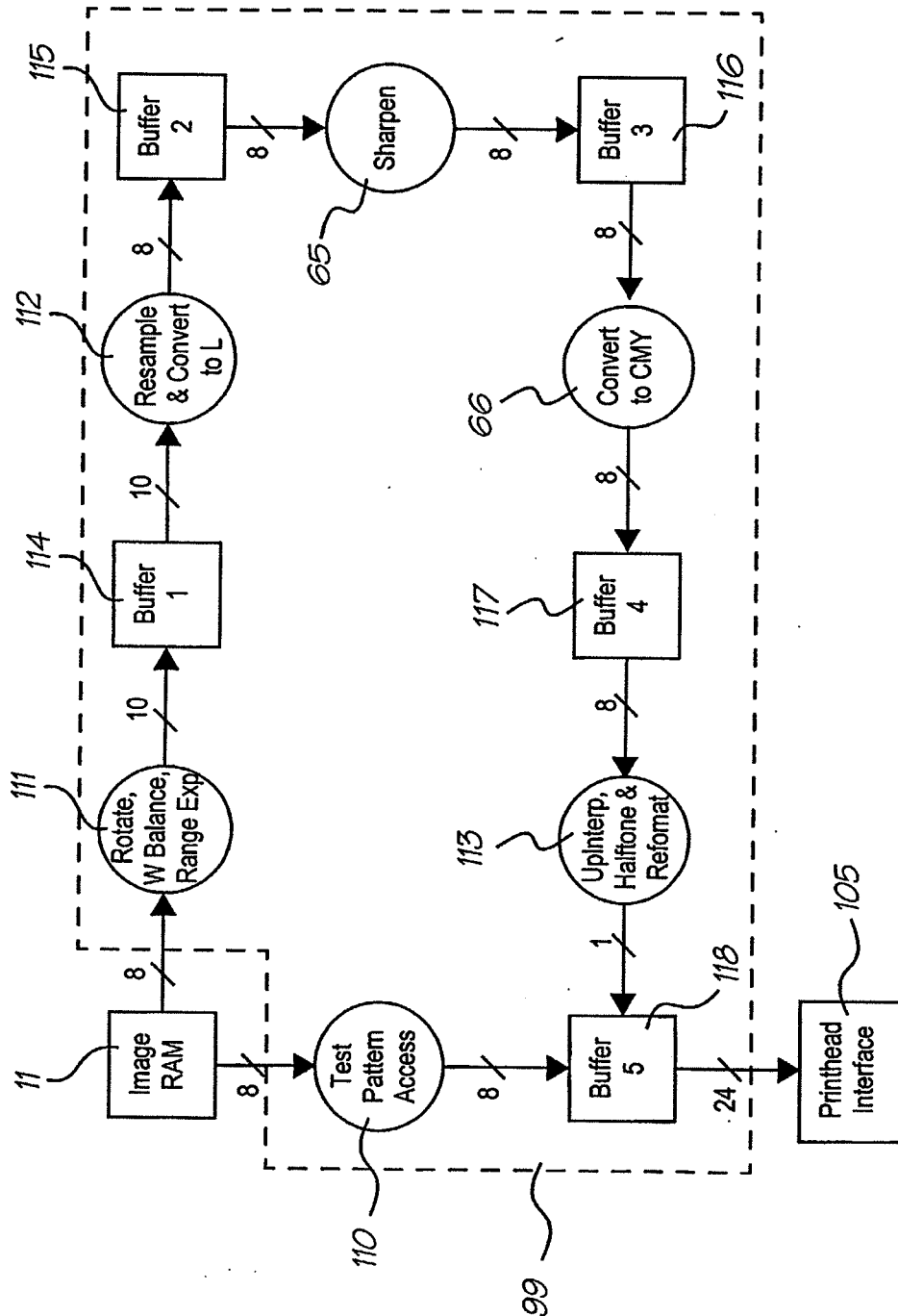


FIG. 42

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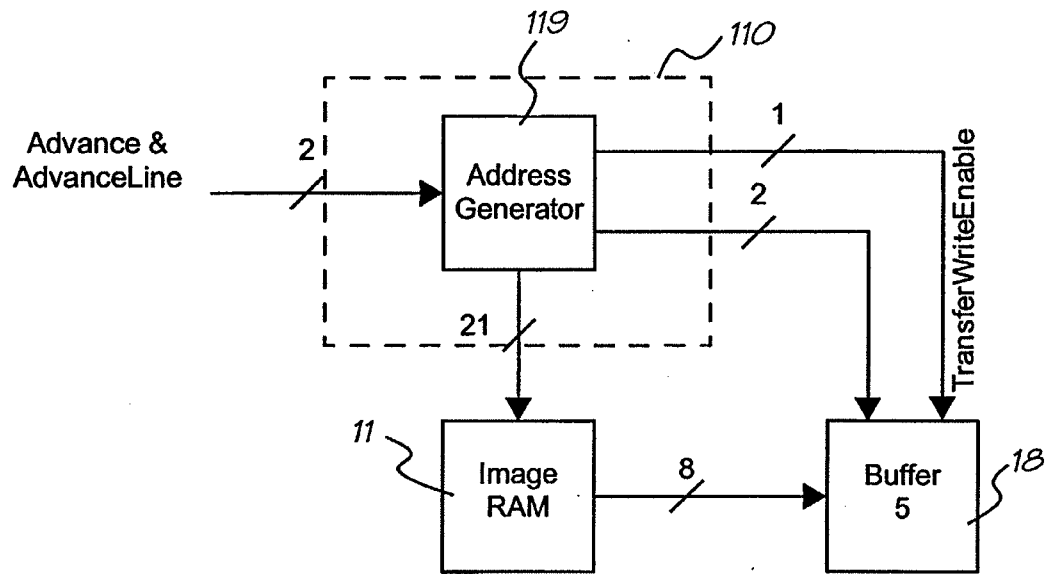


FIG. 43

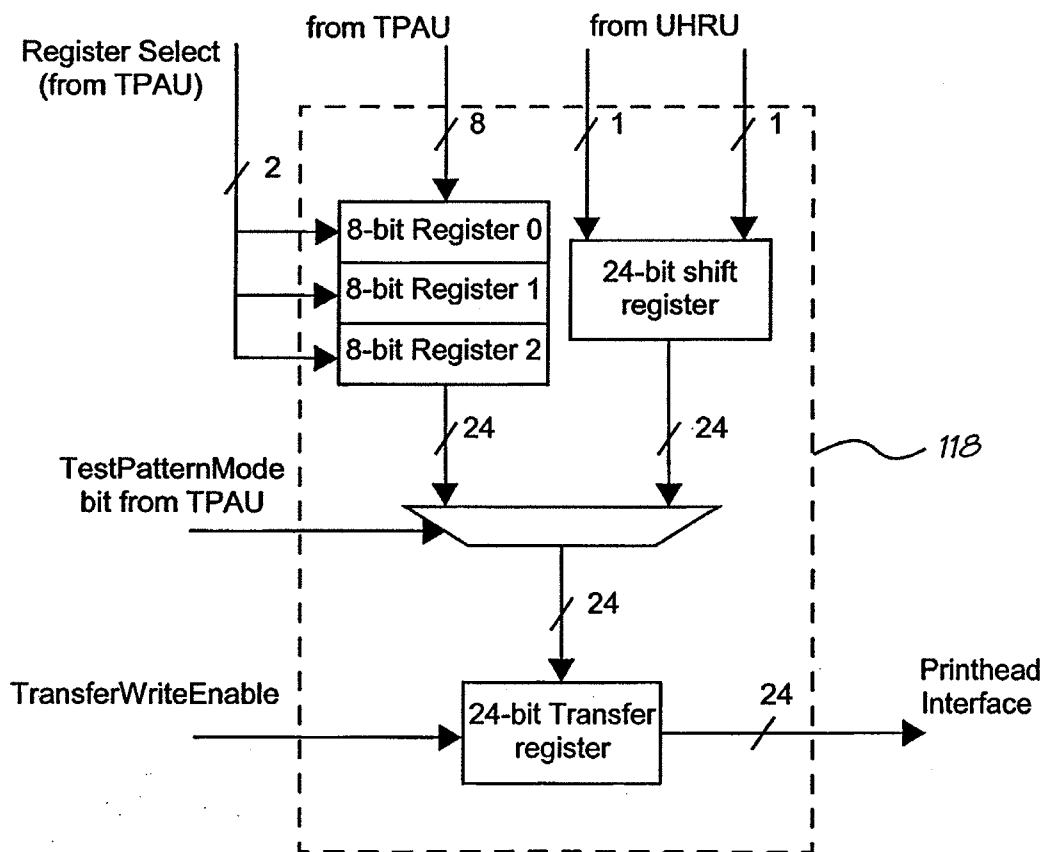


FIG. 44

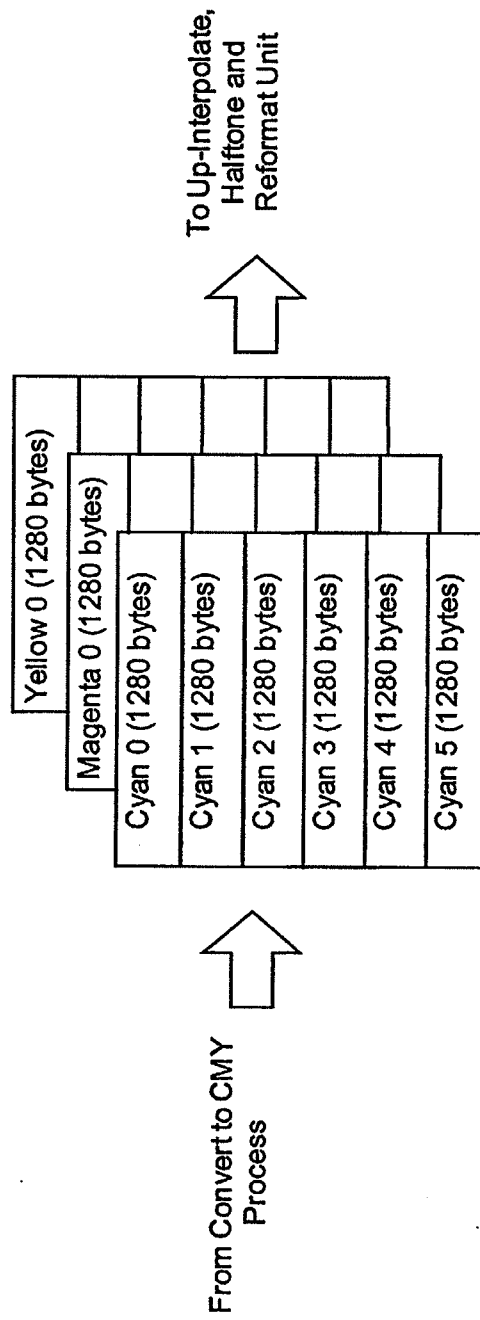


FIG. 45

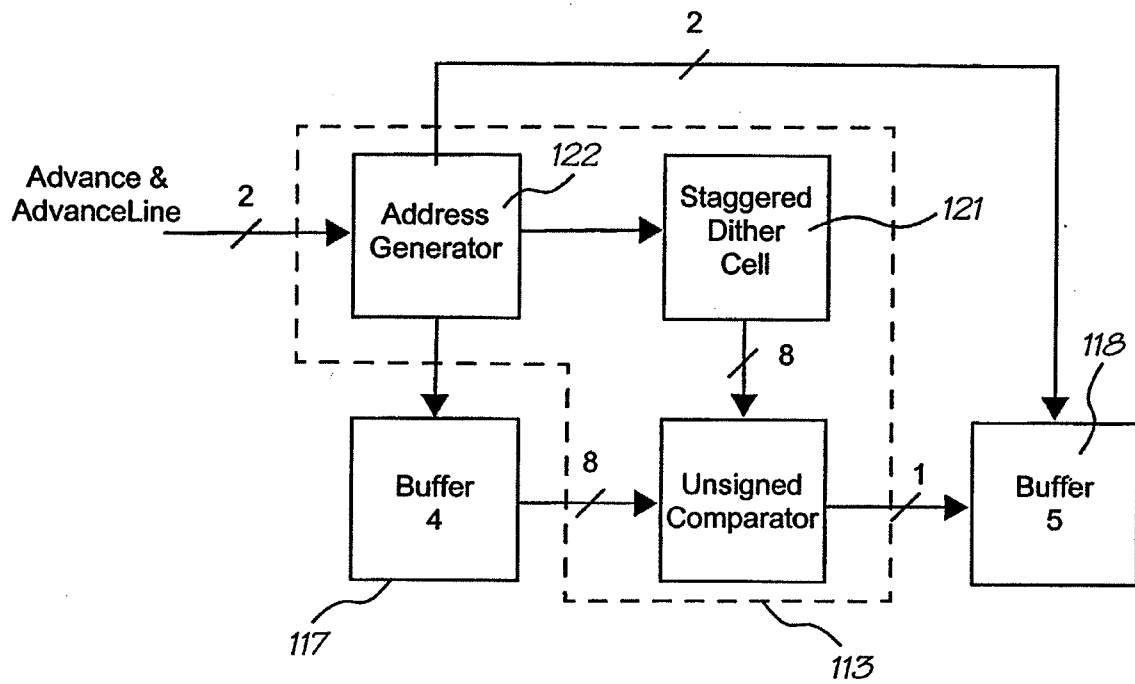


FIG. 46

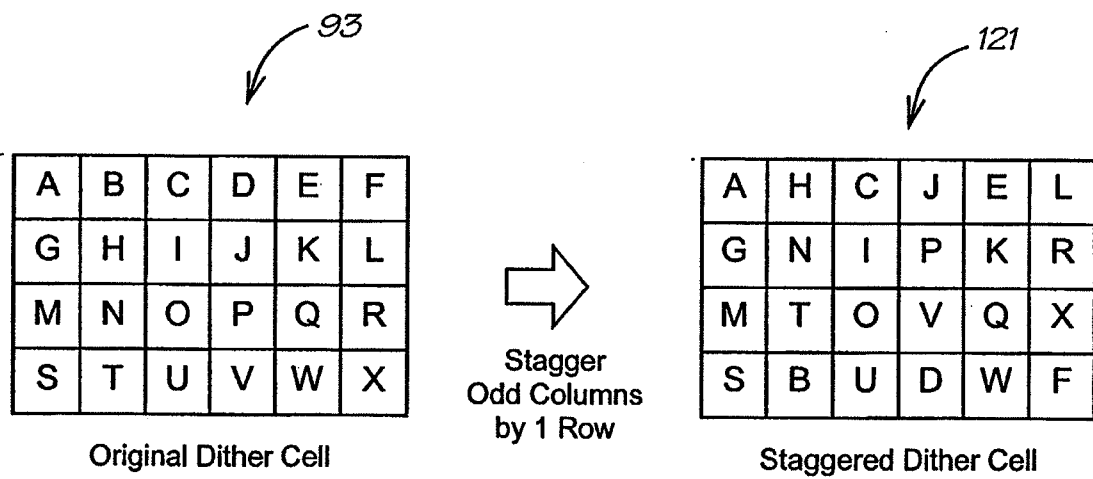


FIG. 47

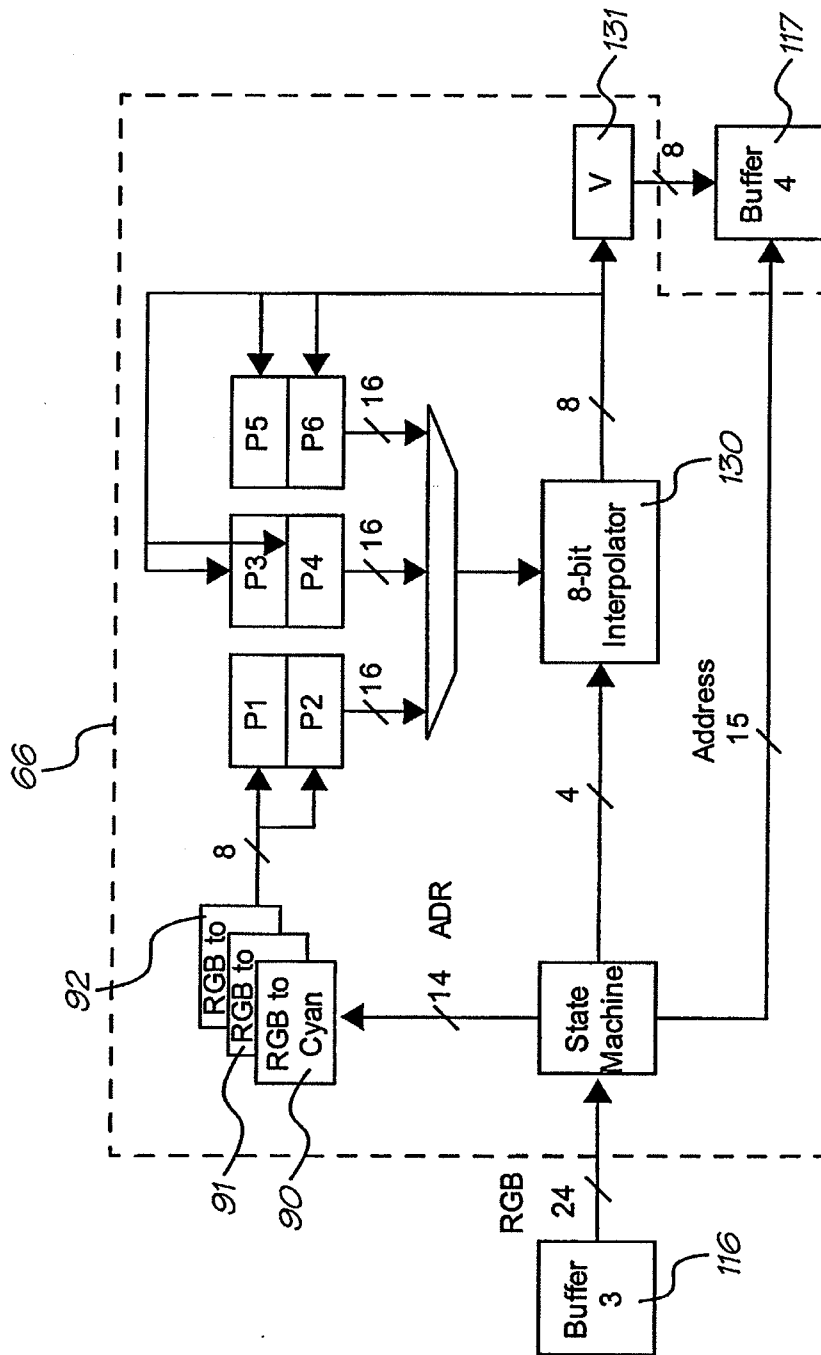


FIG. 48

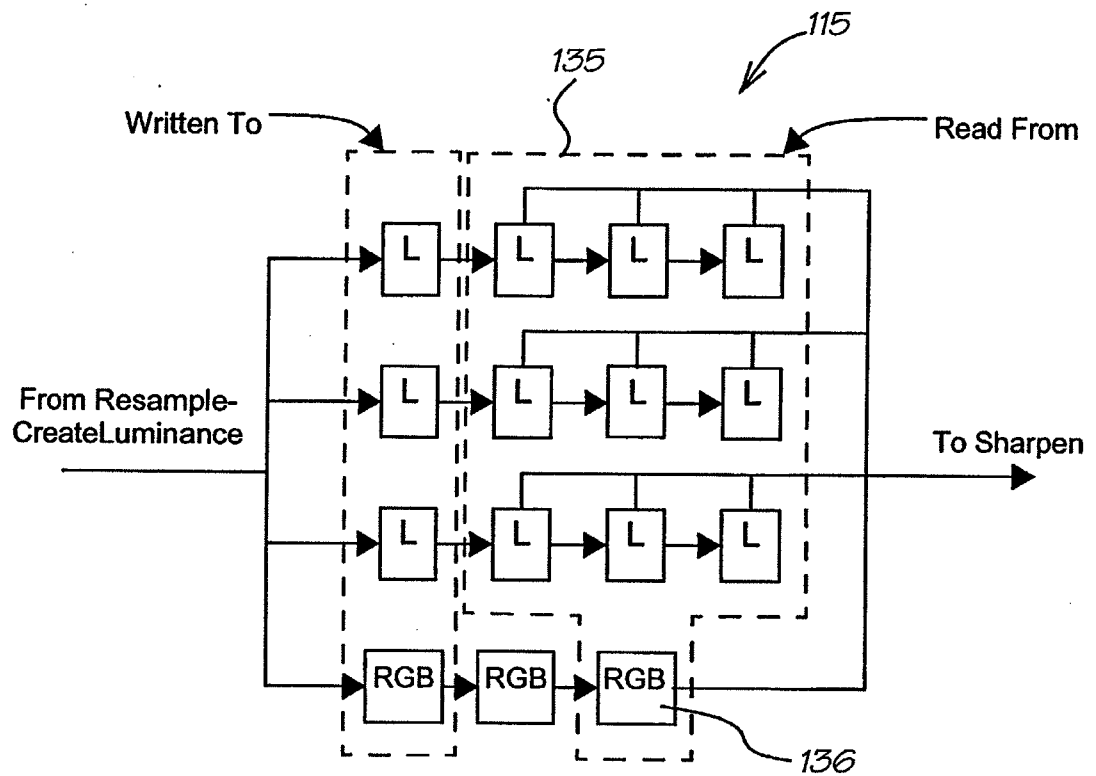


FIG. 49

$$\frac{1}{9} \times$$

-1	-1	-1
-1	8	-1
-1	-1	-1

FIG. 50

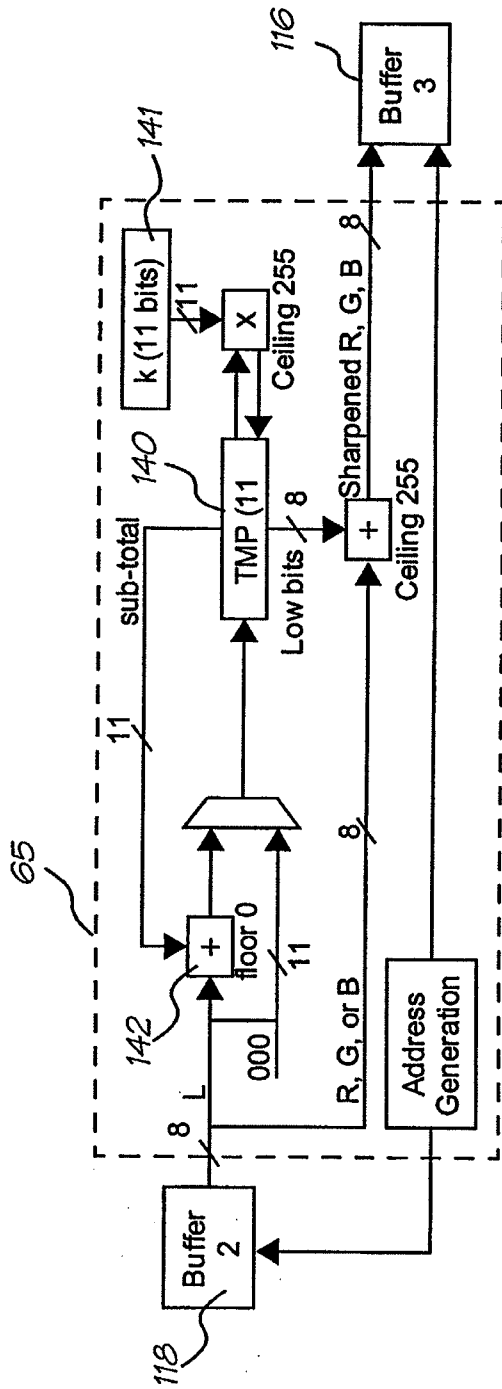


FIG. 51

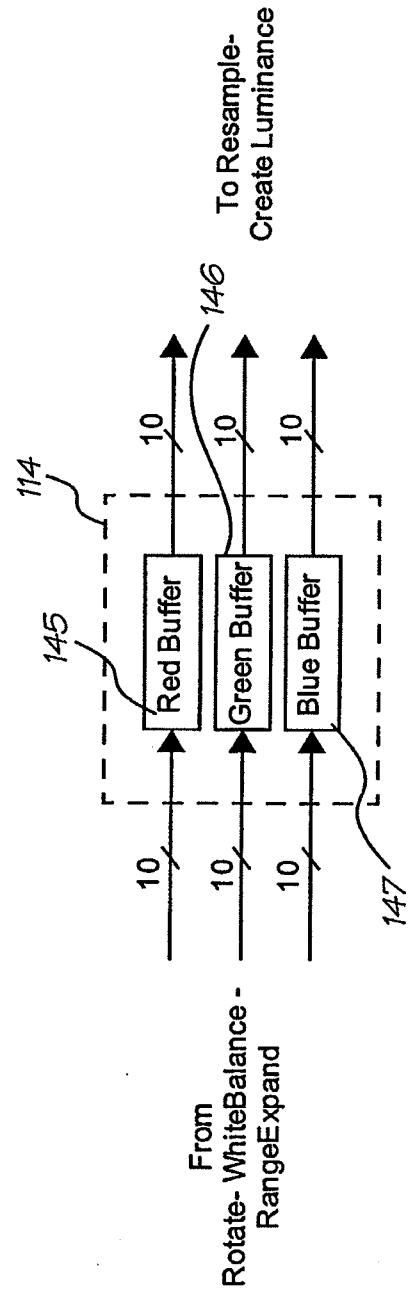


FIG. 52

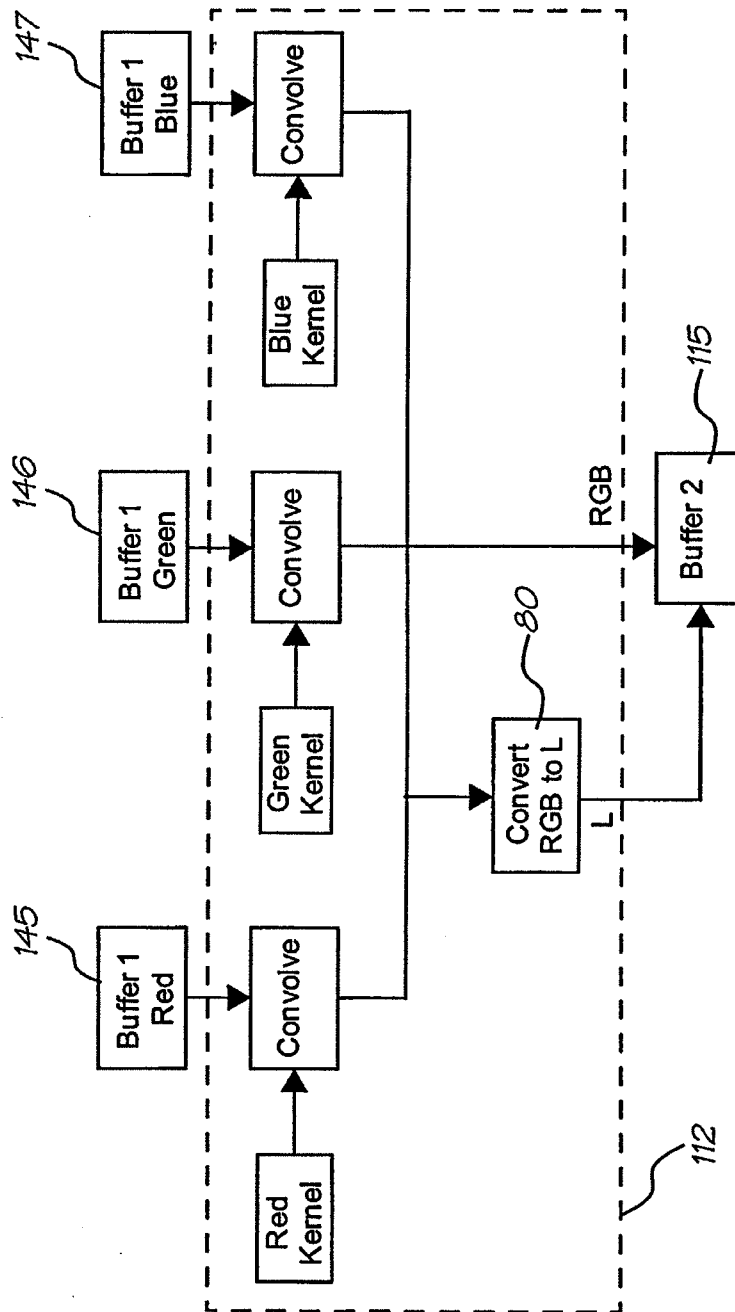


FIG. 53

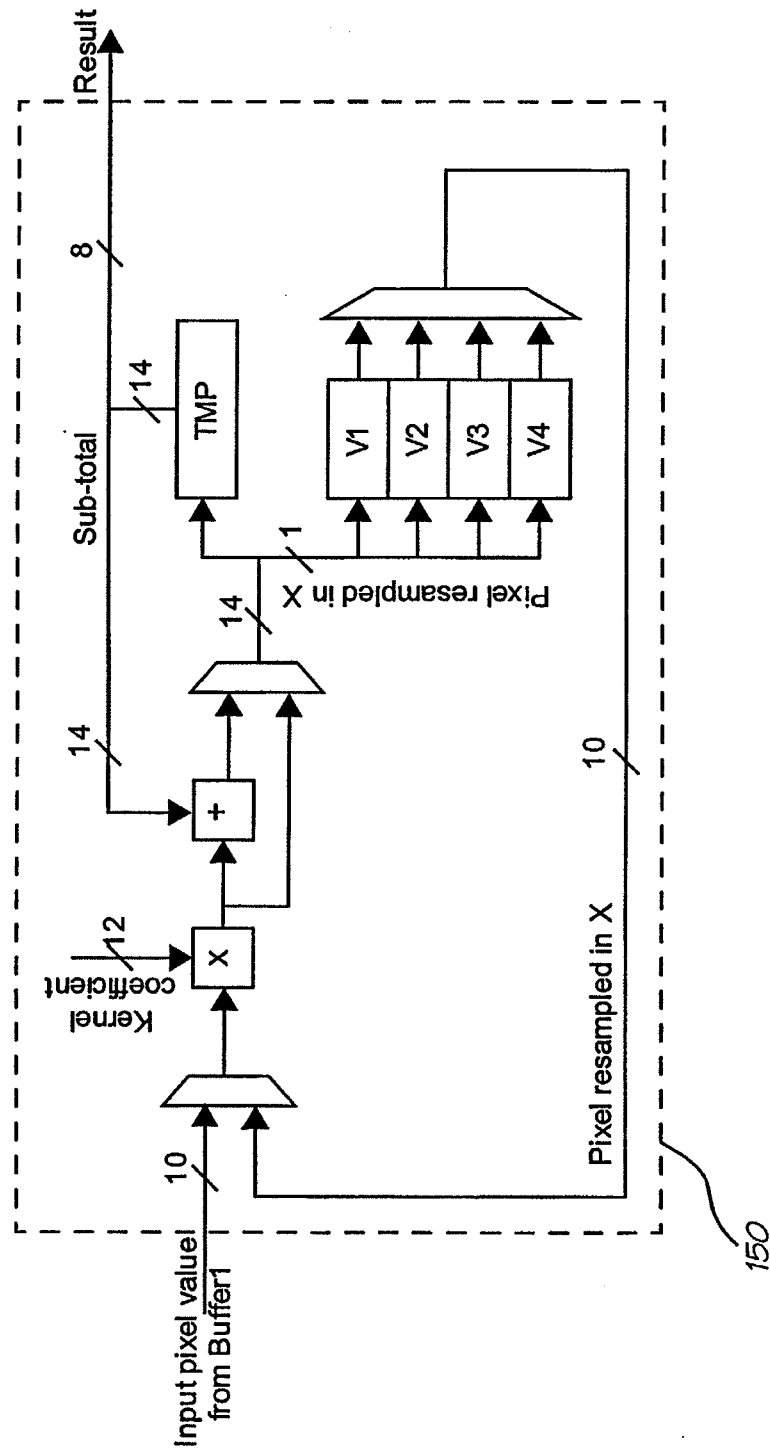


FIG. 54

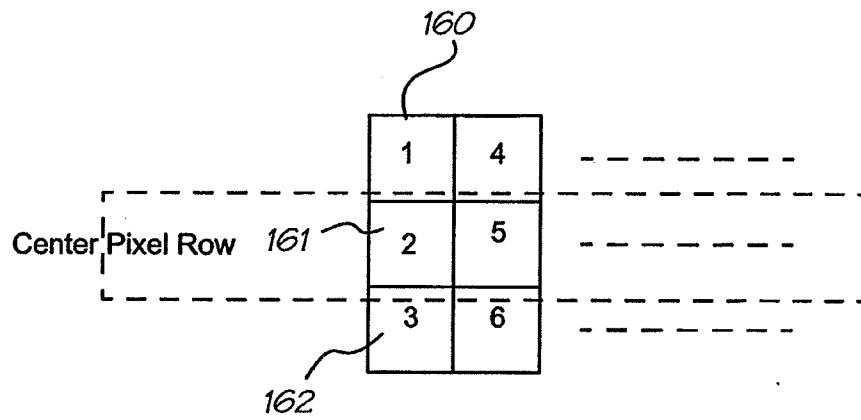


FIG. 55

0	13	26	39	52	65
1	14	27	40	53	66
10	23	36	49	62	75
11	24	37	50	63	76
12	25	38	51	64	77

FIG. 57

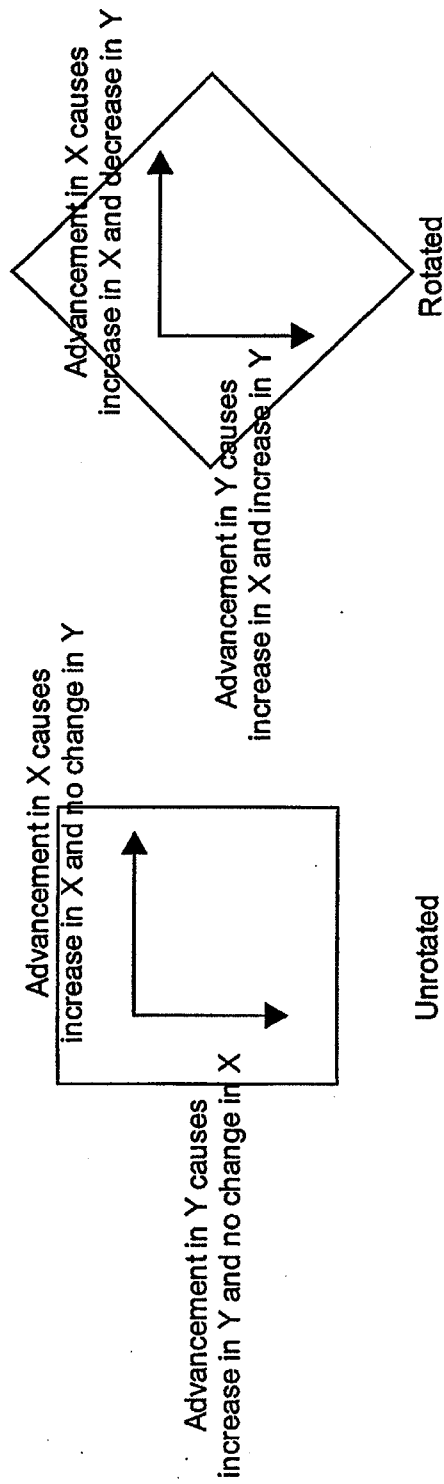


FIG. 56

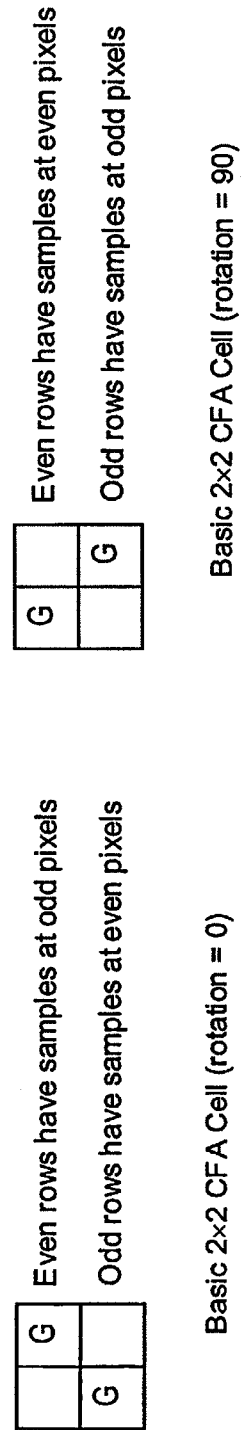
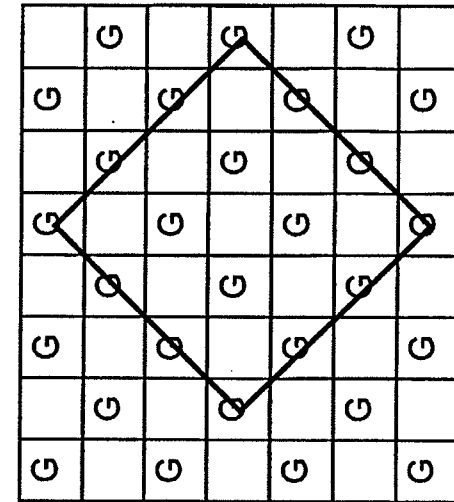
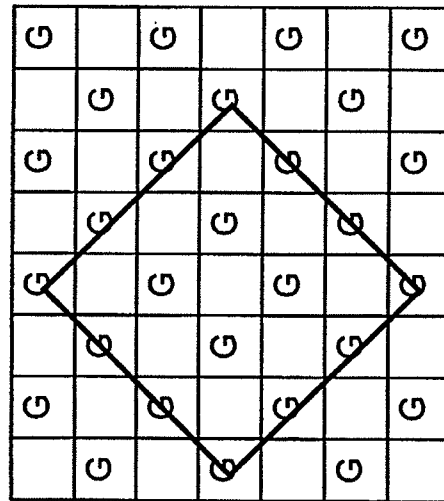


FIG. 58



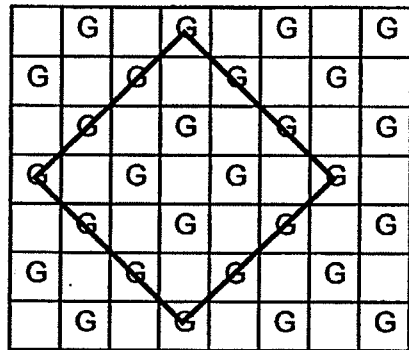
4x4 sampling Green sampling Type 2



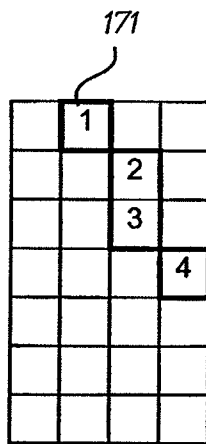
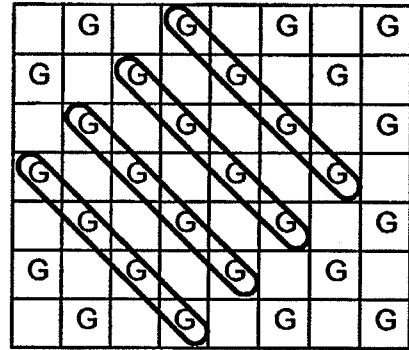
4x4 green sampling Type 1

Odd row (3)

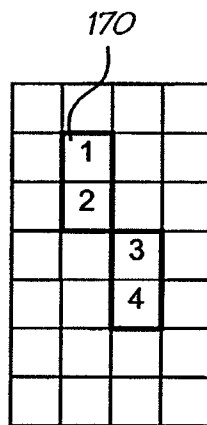
FIG. 59



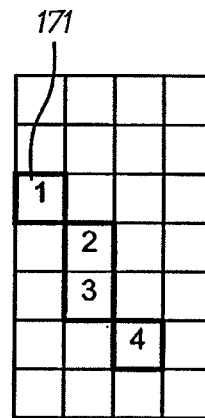
4x4 green sampling Type 1



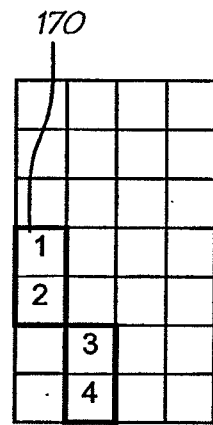
Row 1



Row 2

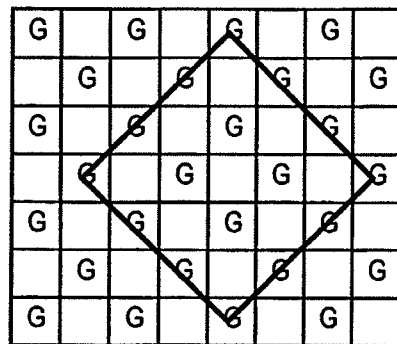


Row 3

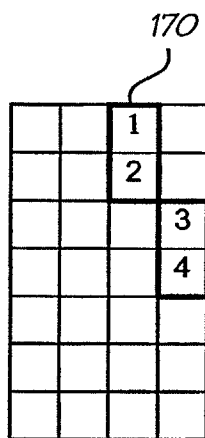
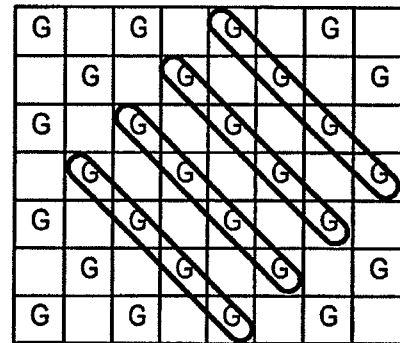


Row 4

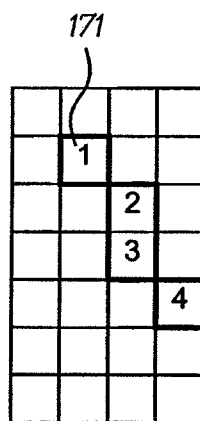
FIG. 60



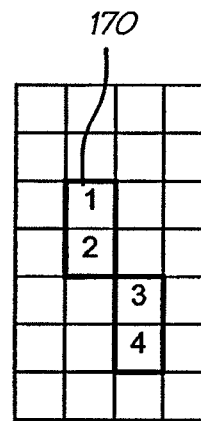
4x4 green sampling Type 2



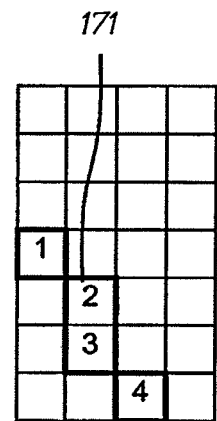
Row 1



Row 2



Row 3



Row 4

FIG. 61

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1	
2	
	3
	4

Type A ~ 170

1		
	2	
	3	
		4

Type B ~ 171

FIG. 62

0	6	12	18	24	30
1	7	13	19	25	31
2	8	14	20	26	32
3	9	15	21	27	33
4	10	16	22	28	34
5	11	17	23	29	35

FIG. 63

1	2	3	4		
5	6	7	8		
9	10	11	12		
13	14	15	16		

FIG. 64

1	2	3	4	
5	6	7	8	
9	10	11	12	
13	14	15	16	

16 samples read for 3rd Pixel

1	2	3	4	
5	6	7	8	
9	10	11	12	
13	14	15	16	

16 samples read for 2nd Pixel

1	2	3	4	
5	6	7	8	
9	10	11	12	
13	14	15	16	

16 samples read for 1st Pixel)

FIG. 65

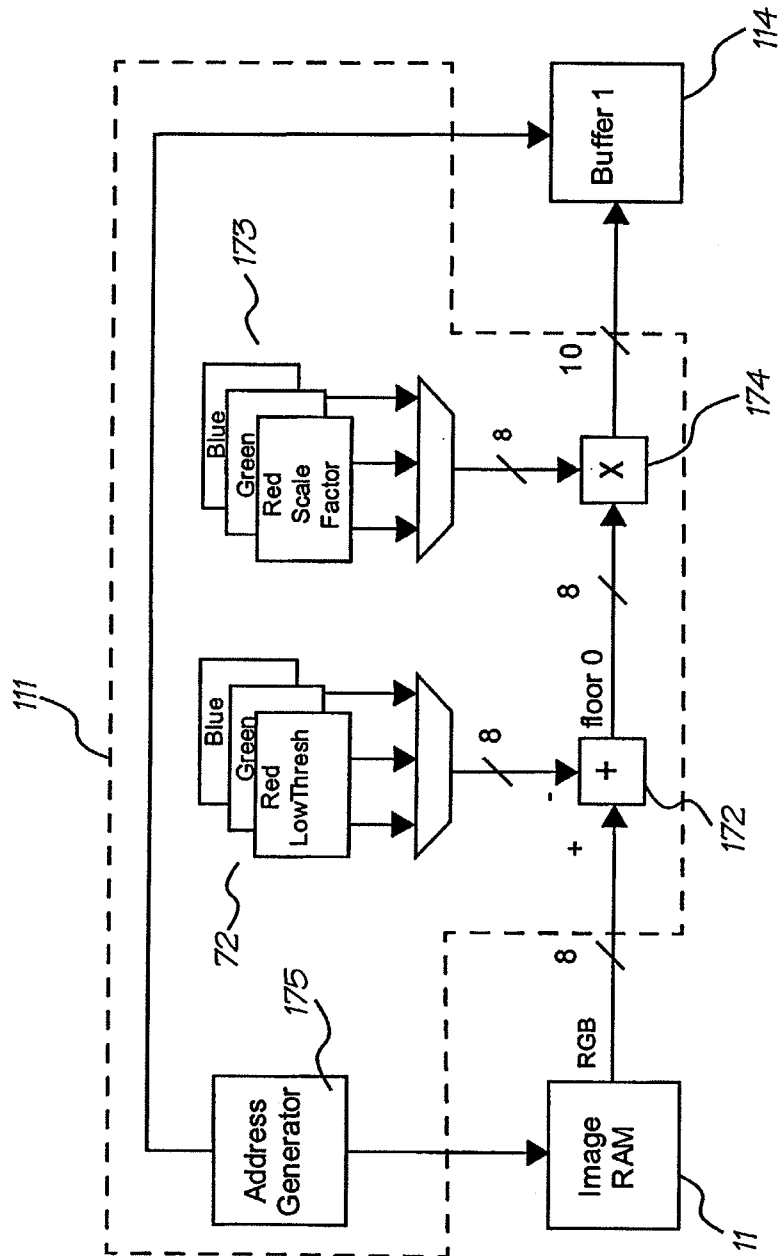


FIG. 66

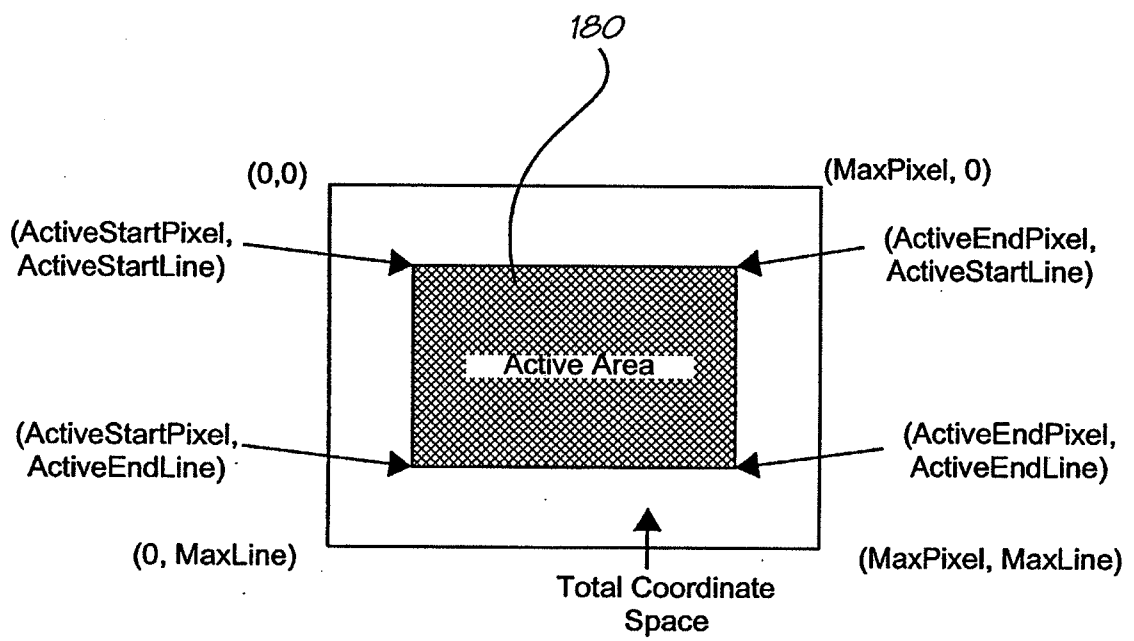


FIG. 67