

1/43

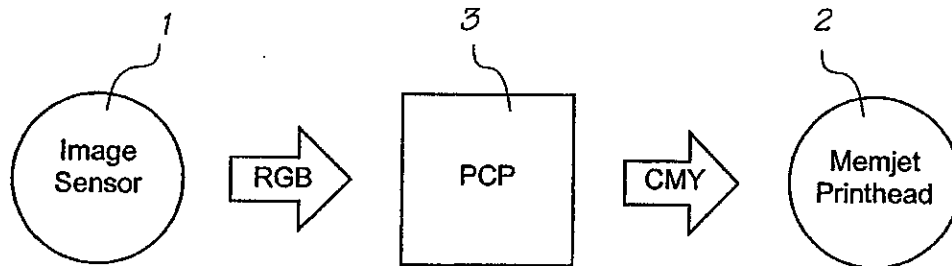


FIG. 1

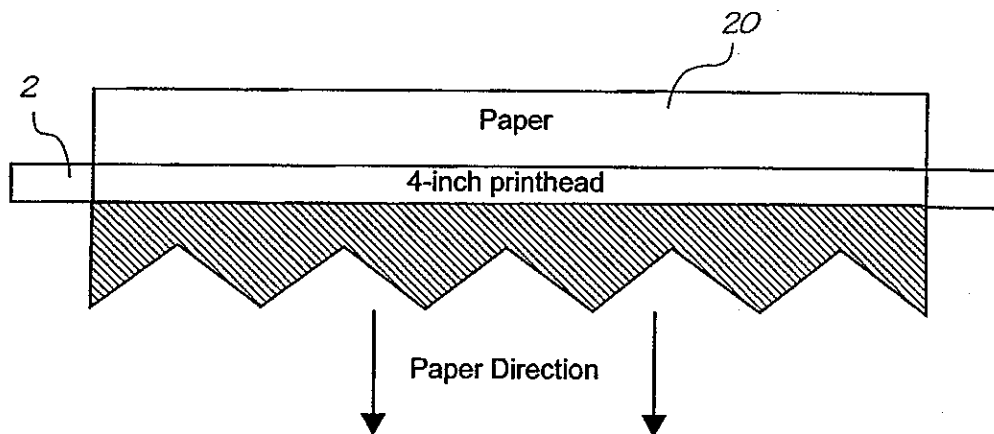


FIG. 4

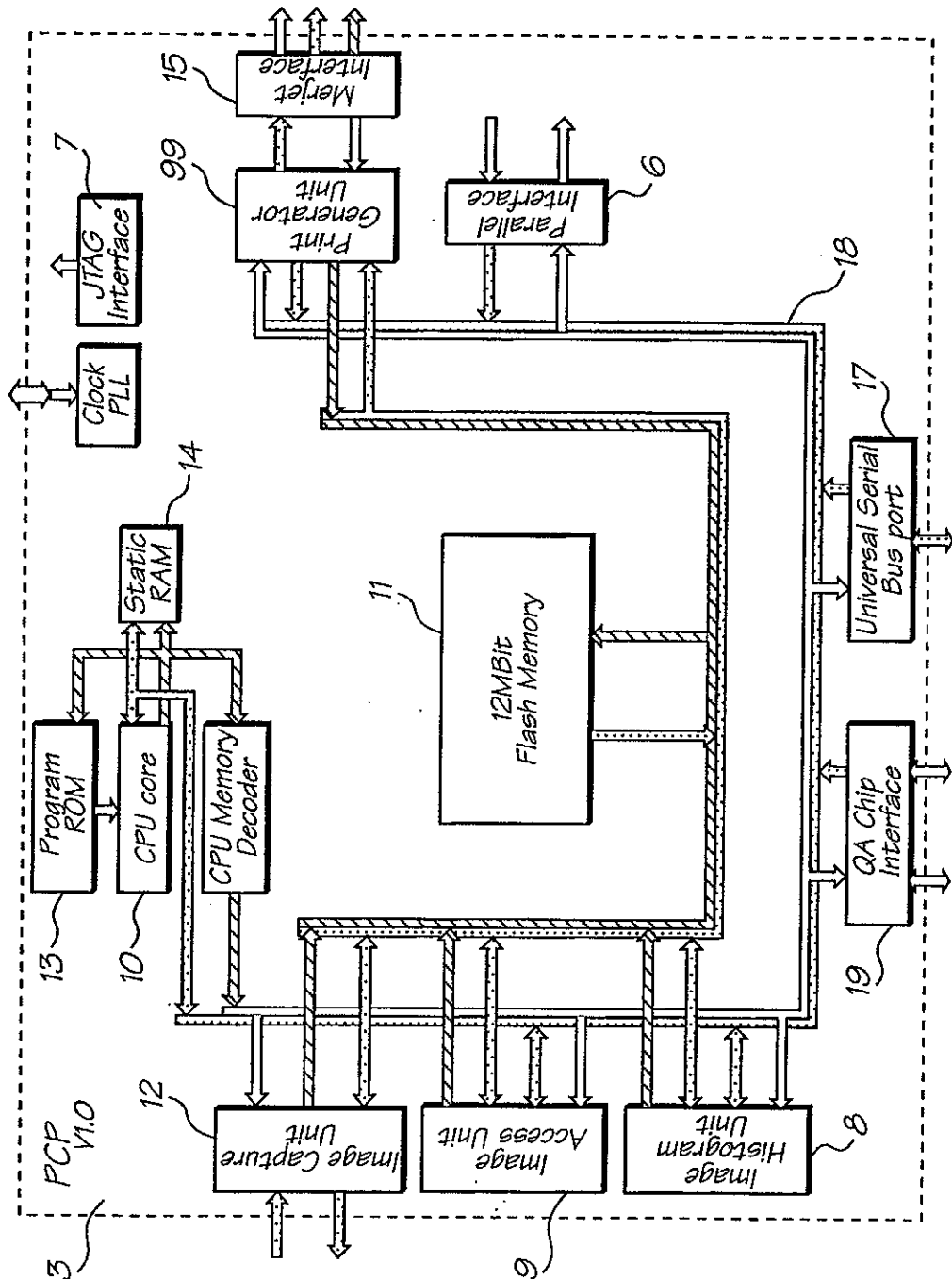


FIG. 2

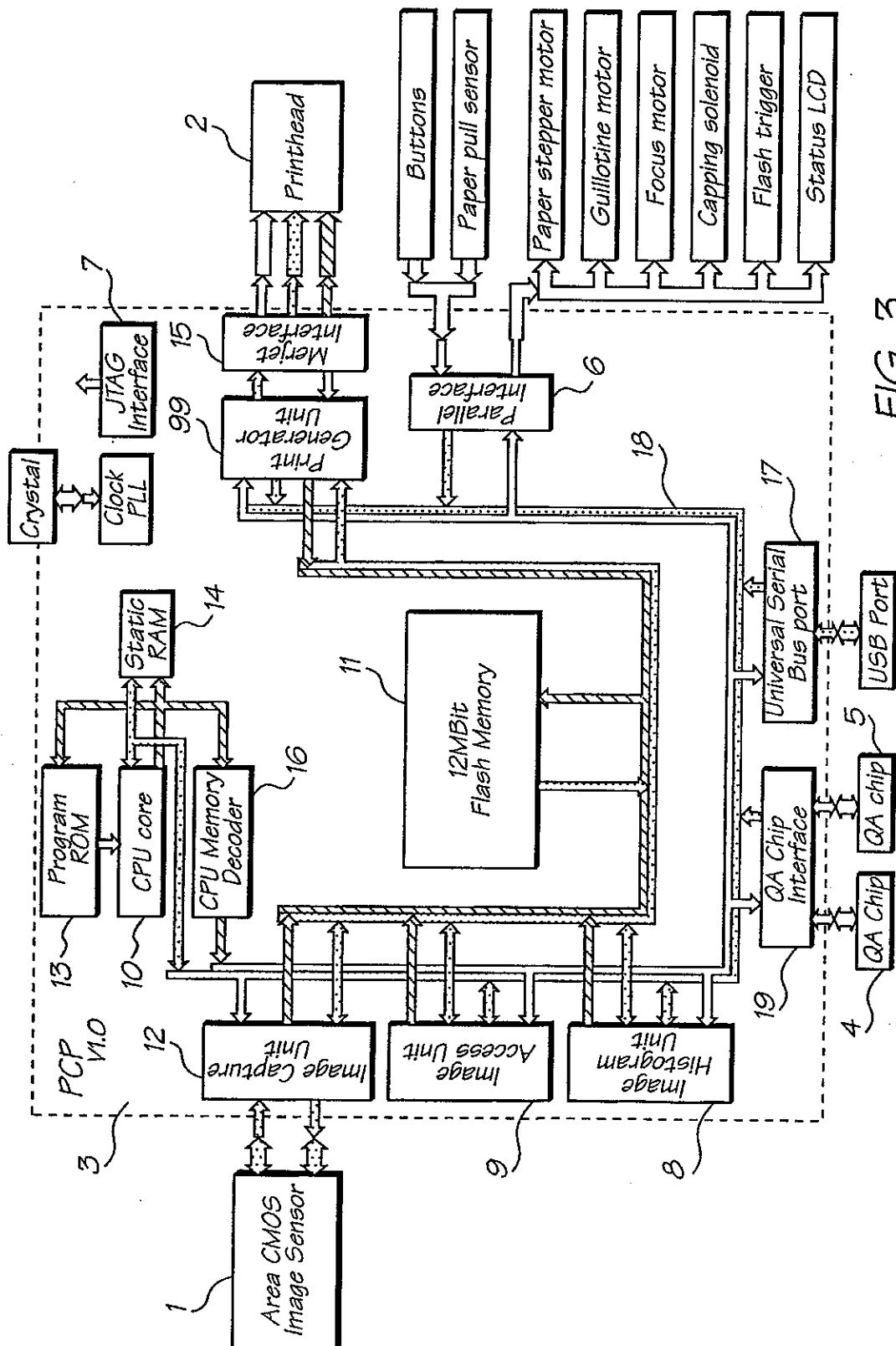
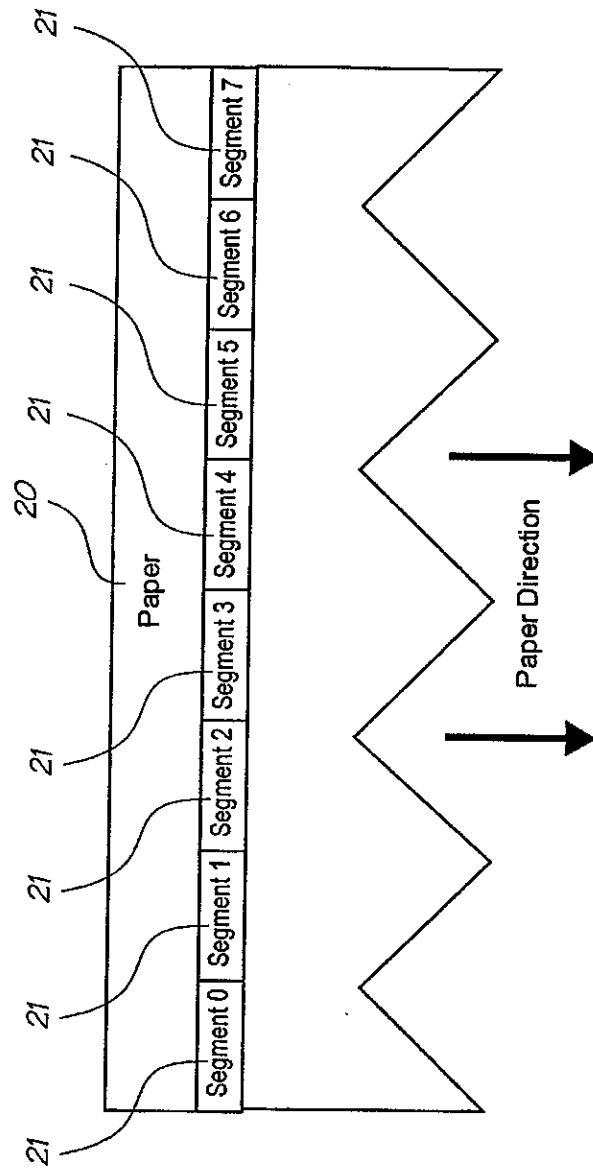


FIG. 3



1 segment
= 0.5 inch
= 12700 μm

FIG. 5

5/43

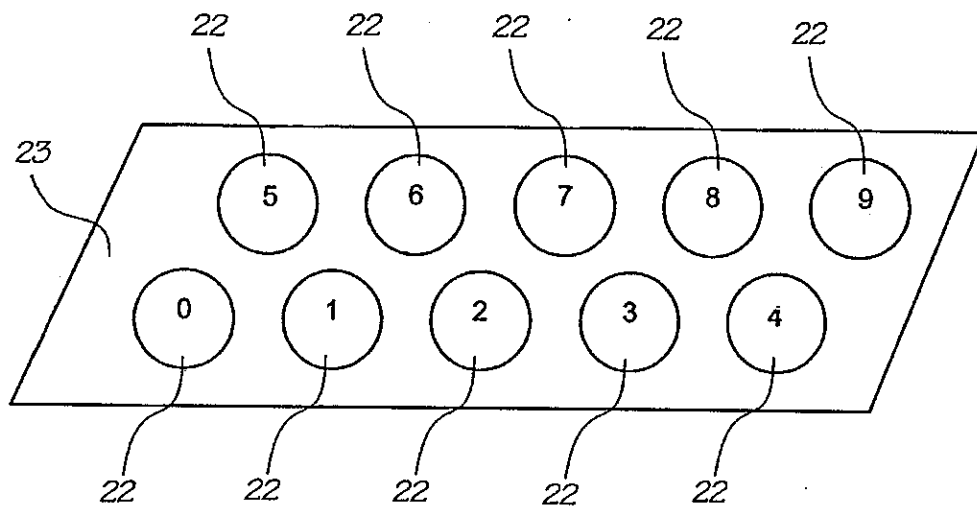


FIG. 6

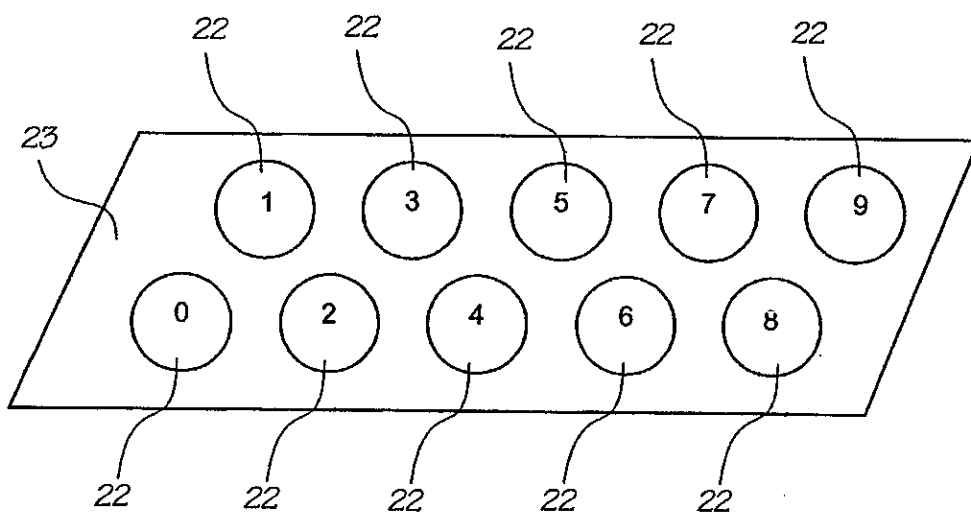


FIG. 7

6/43

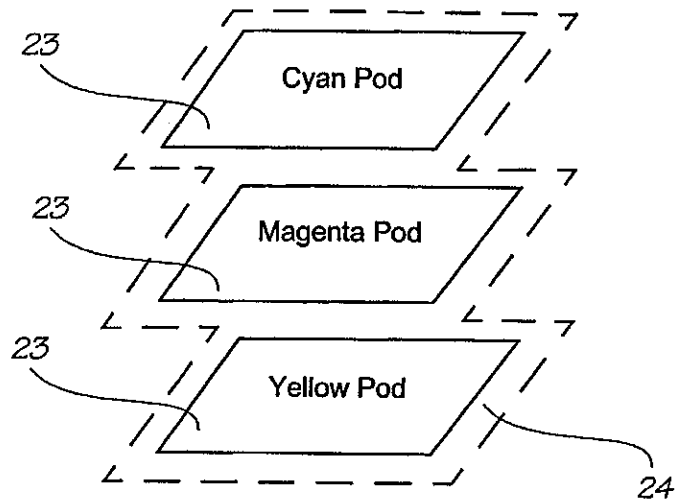


FIG. 8

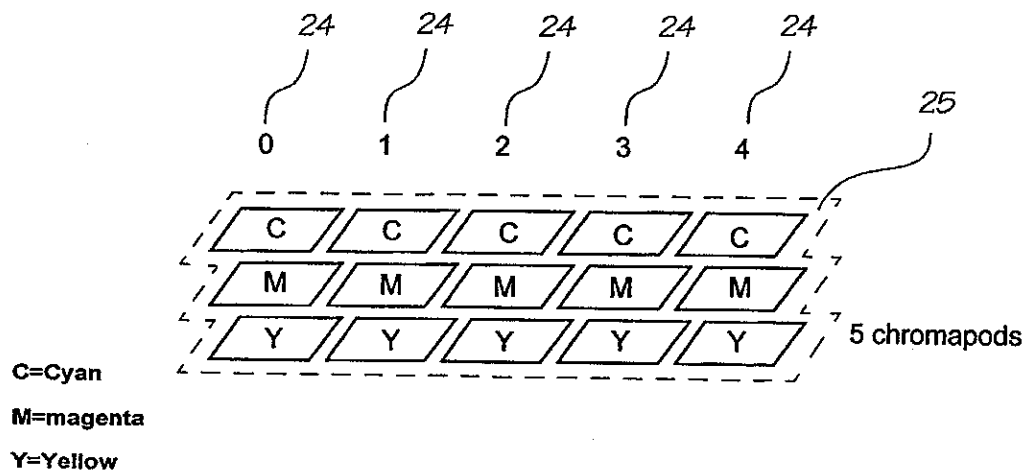


FIG. 9

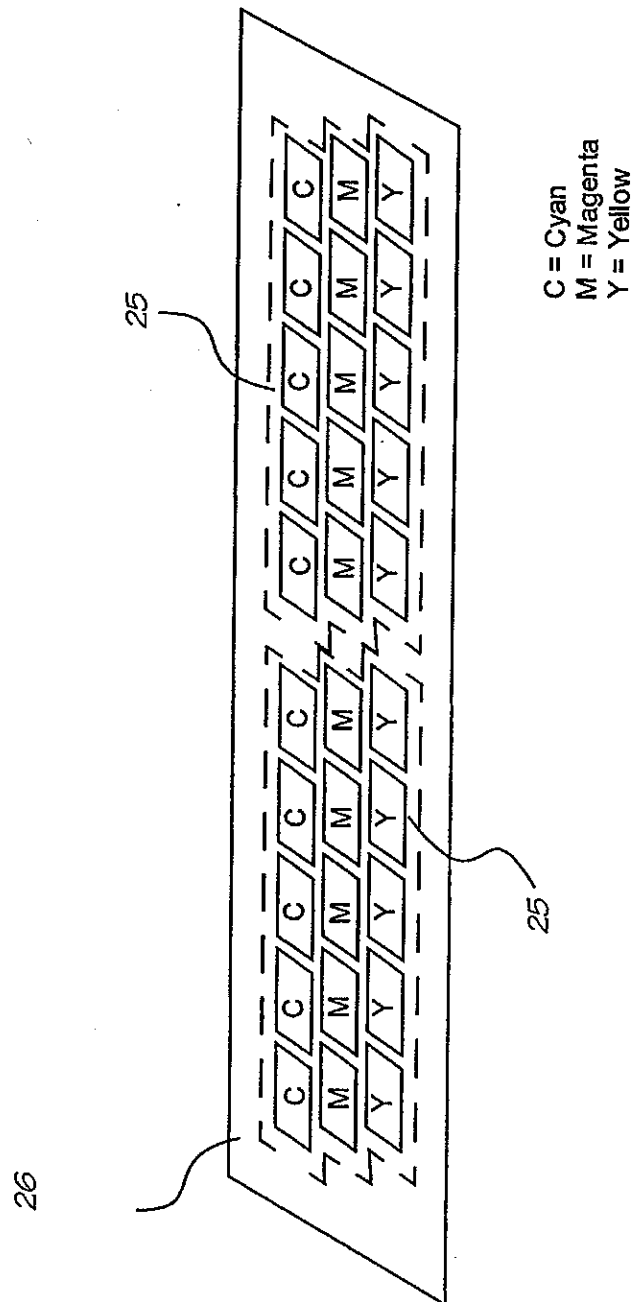
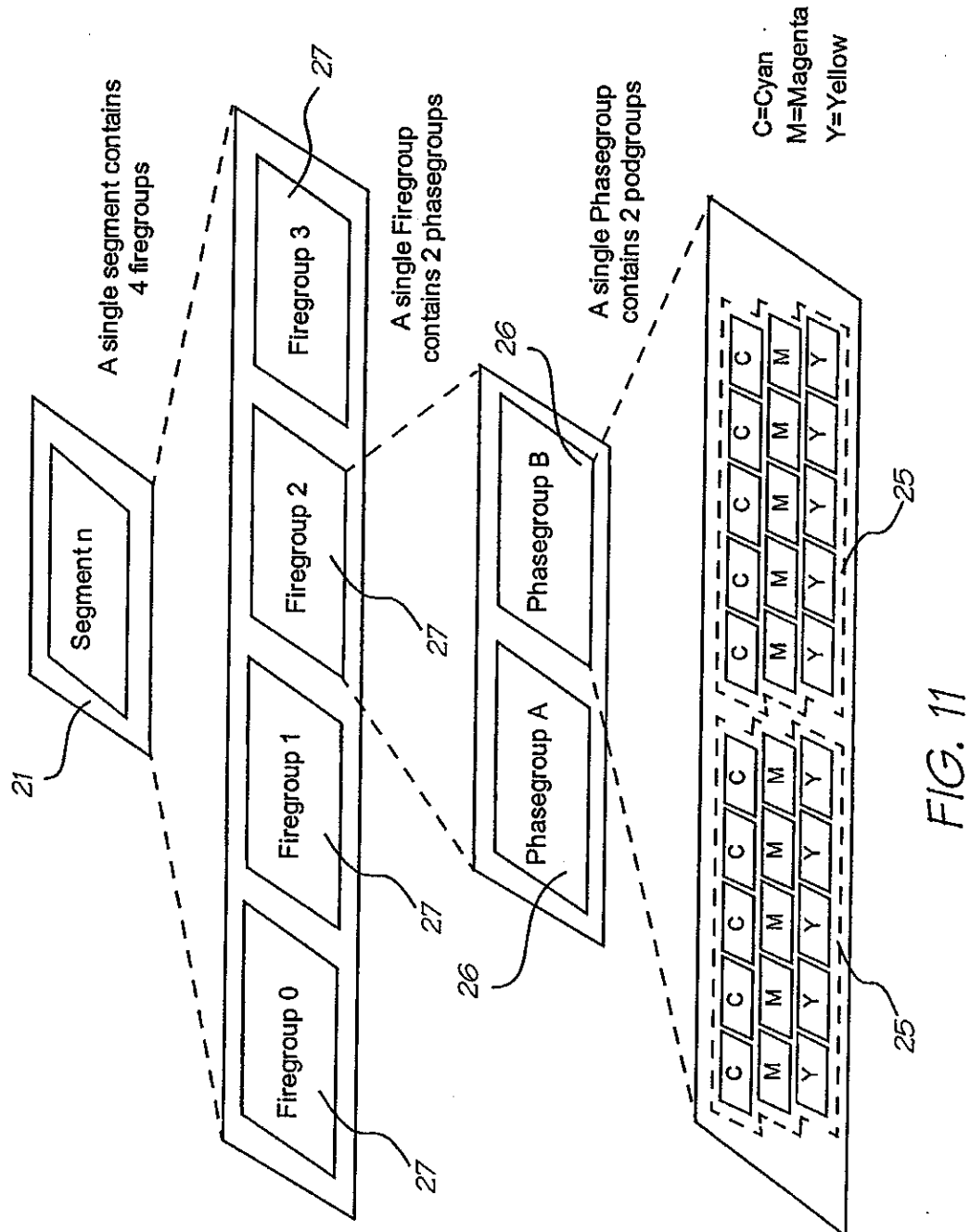


FIG. 10



9/43

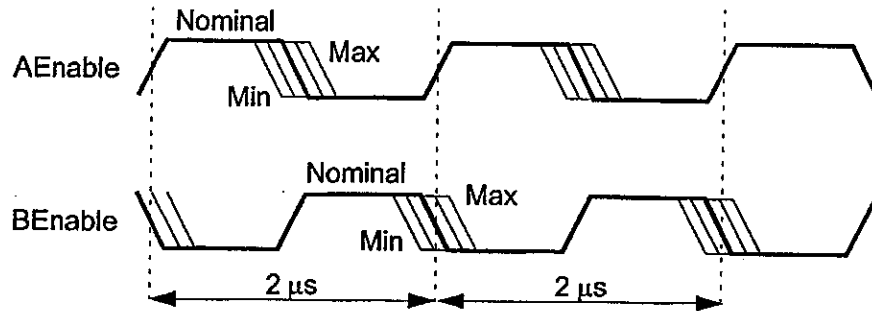


FIG. 12

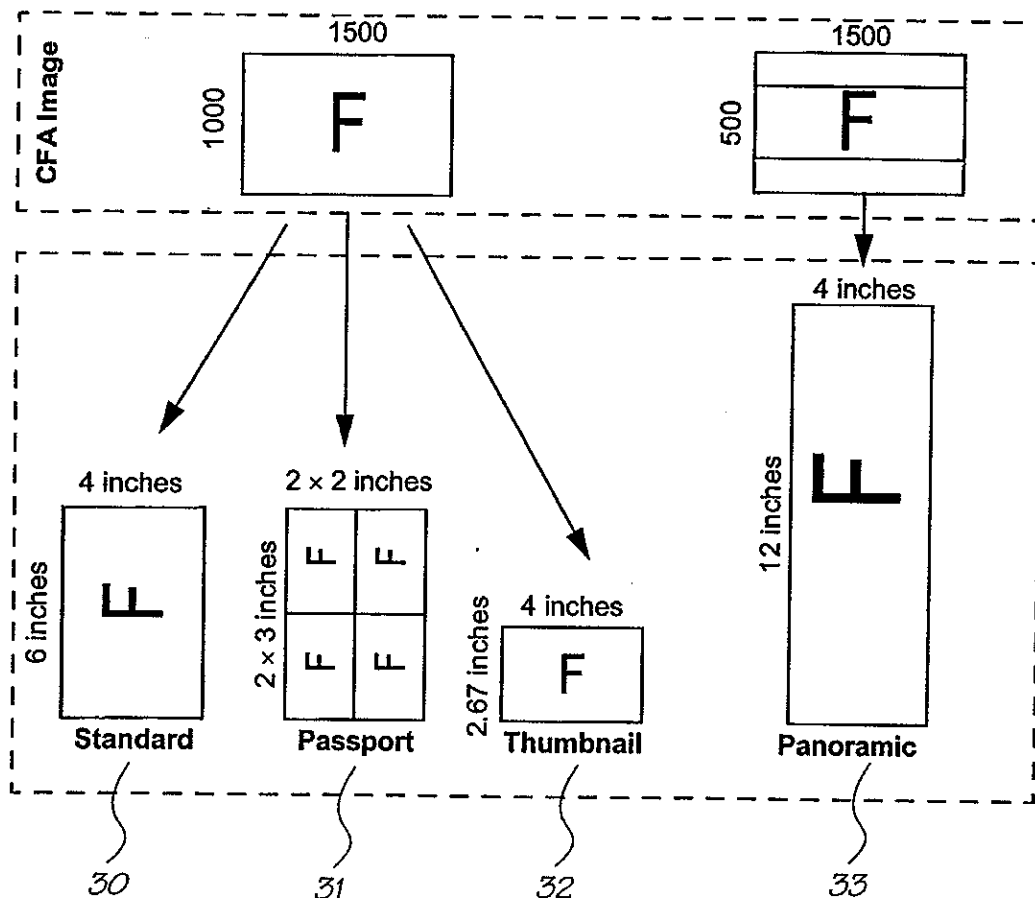


FIG. 13

10/43

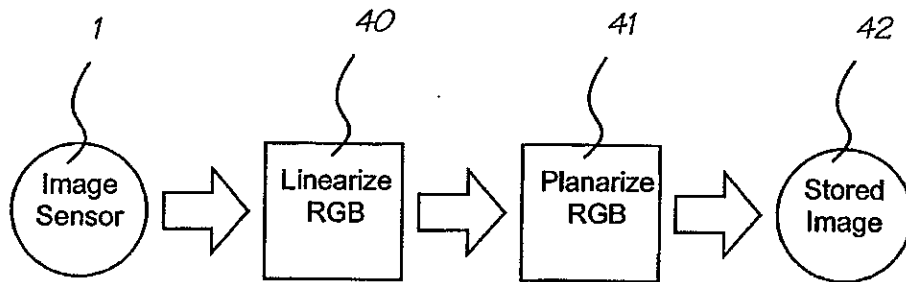


FIG. 14

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

11/43

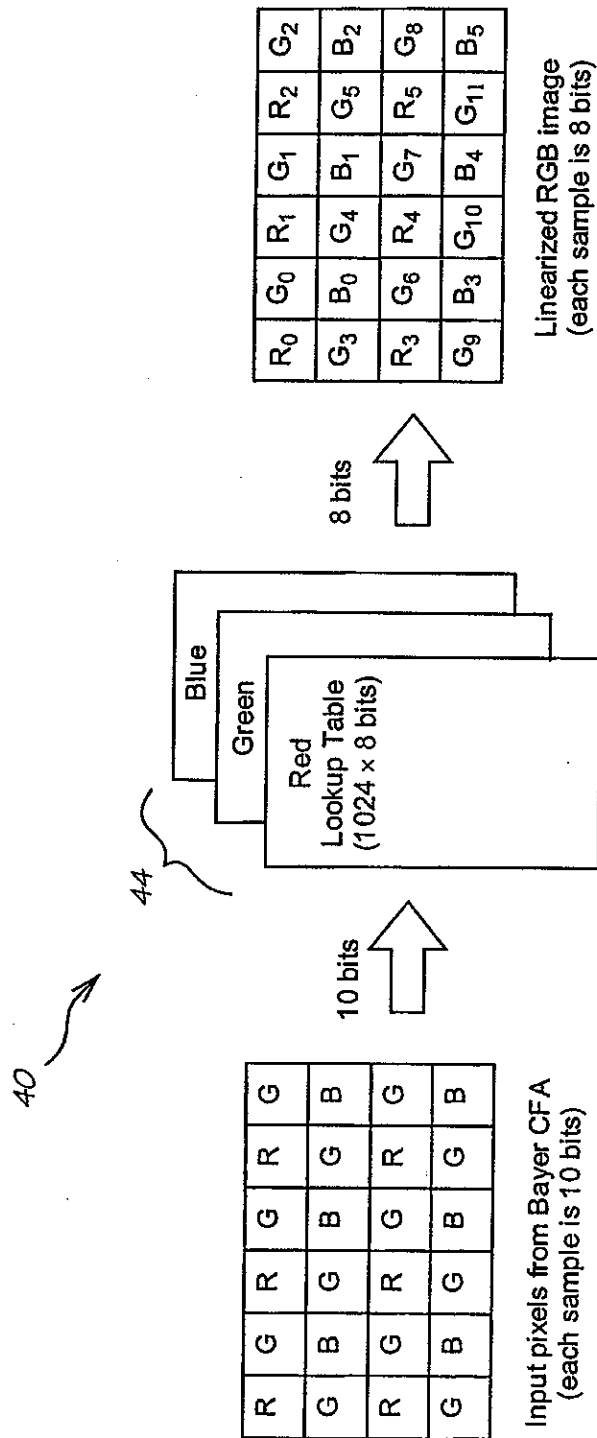


FIG. 16

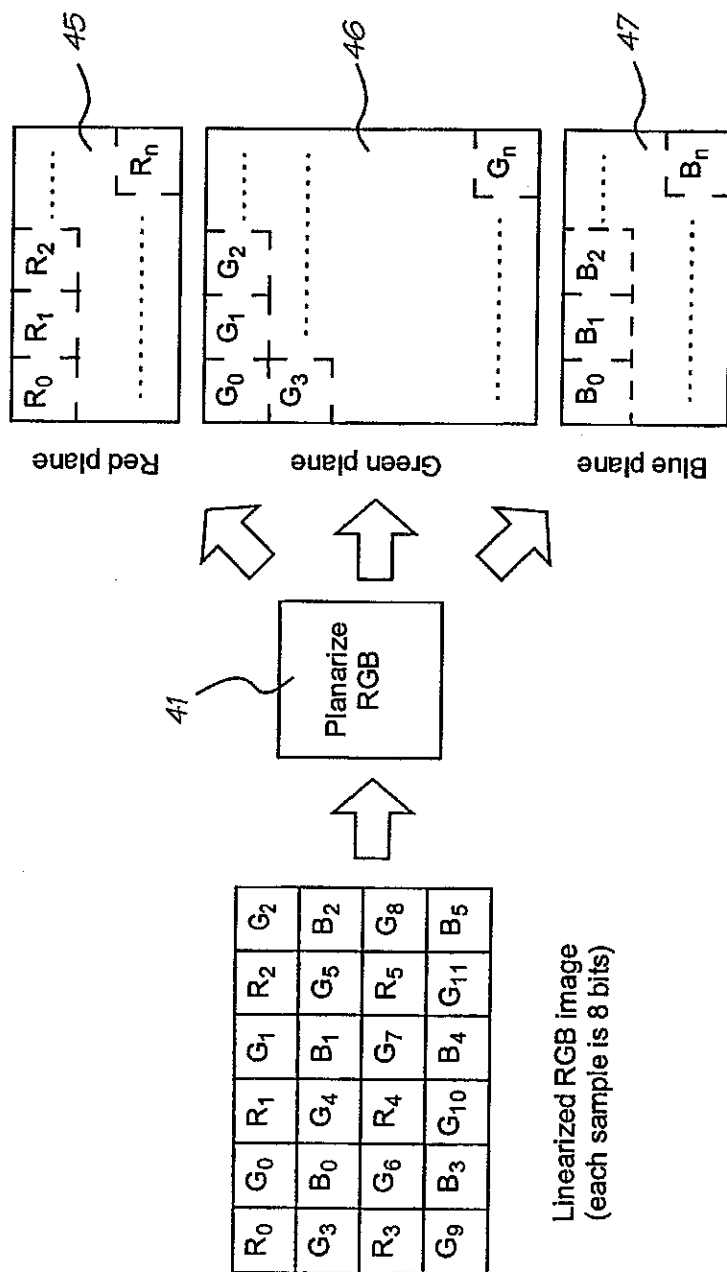


FIG. 17

13/43

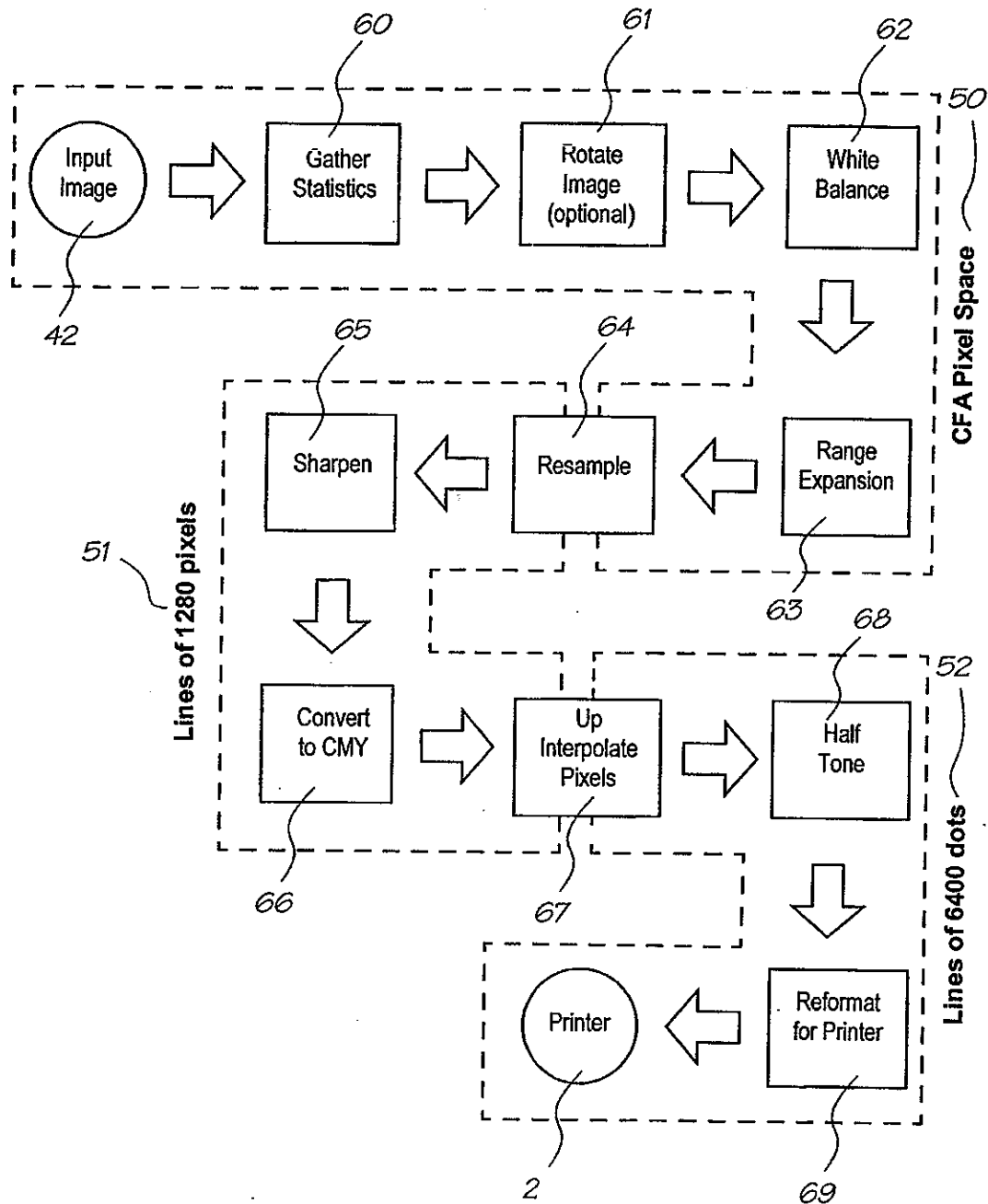


FIG. 18

14/43

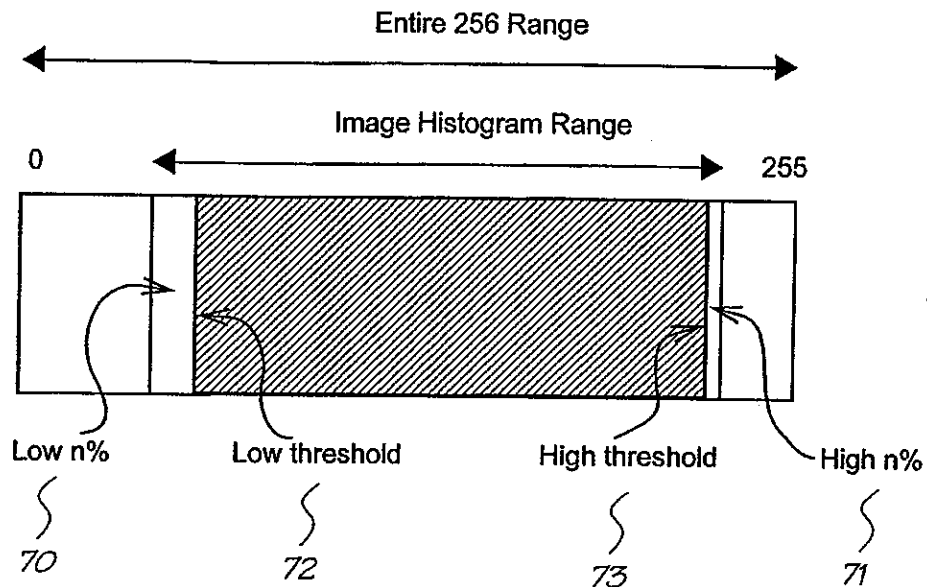


FIG. 19

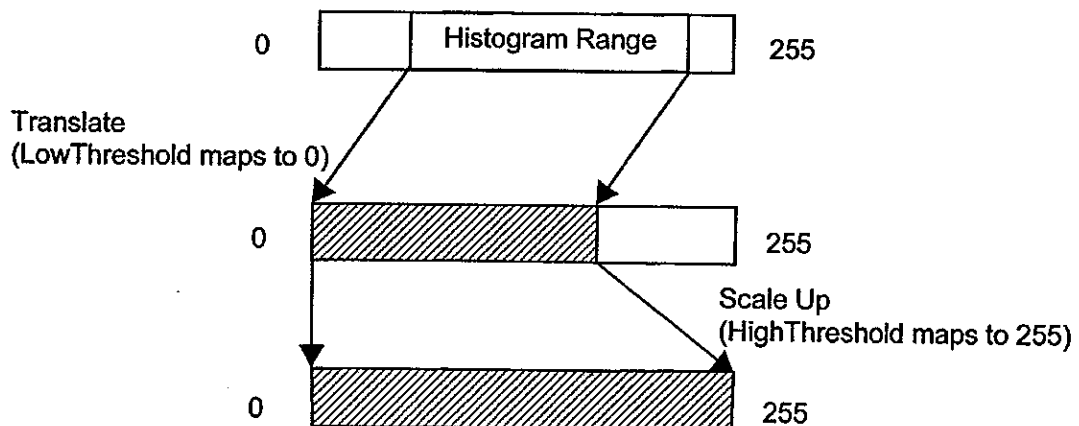


FIG. 20

15/43

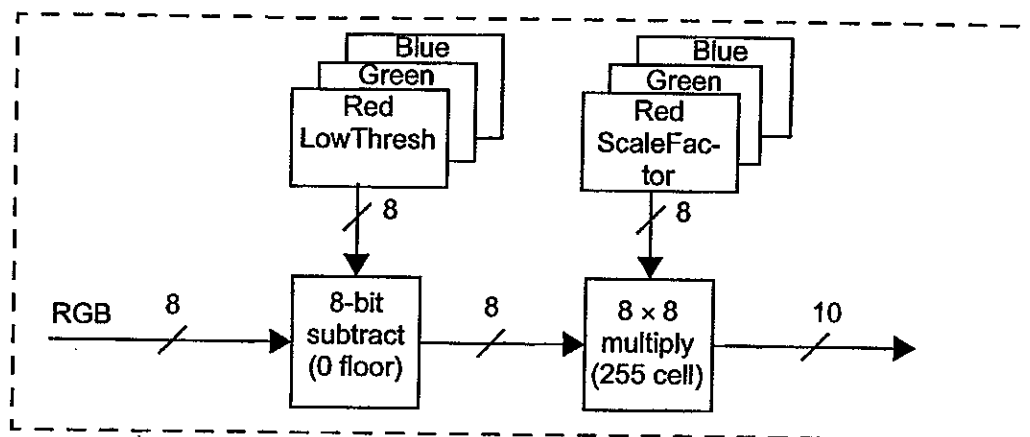


FIG. 21

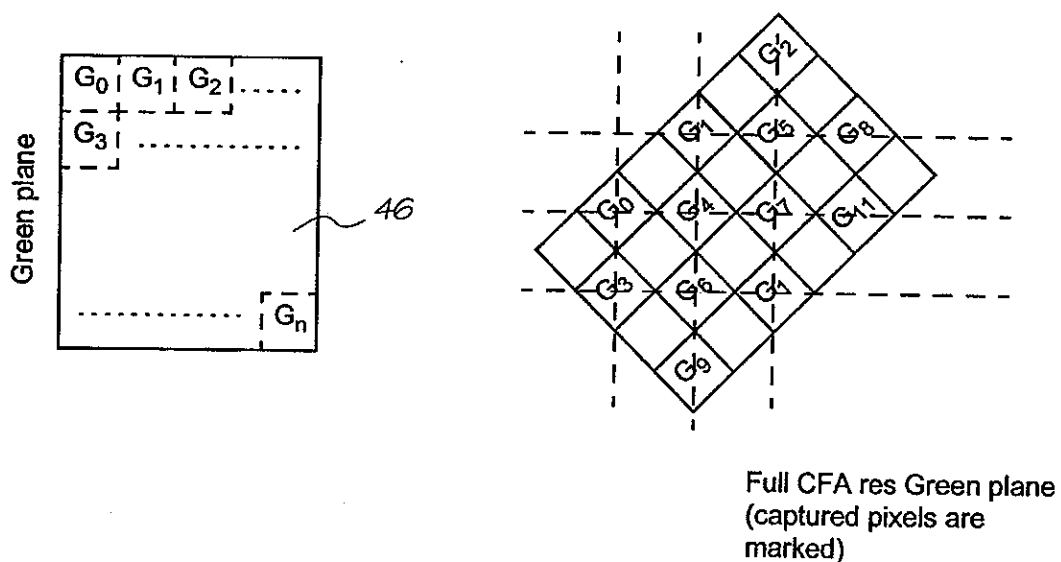


FIG. 23

16/43

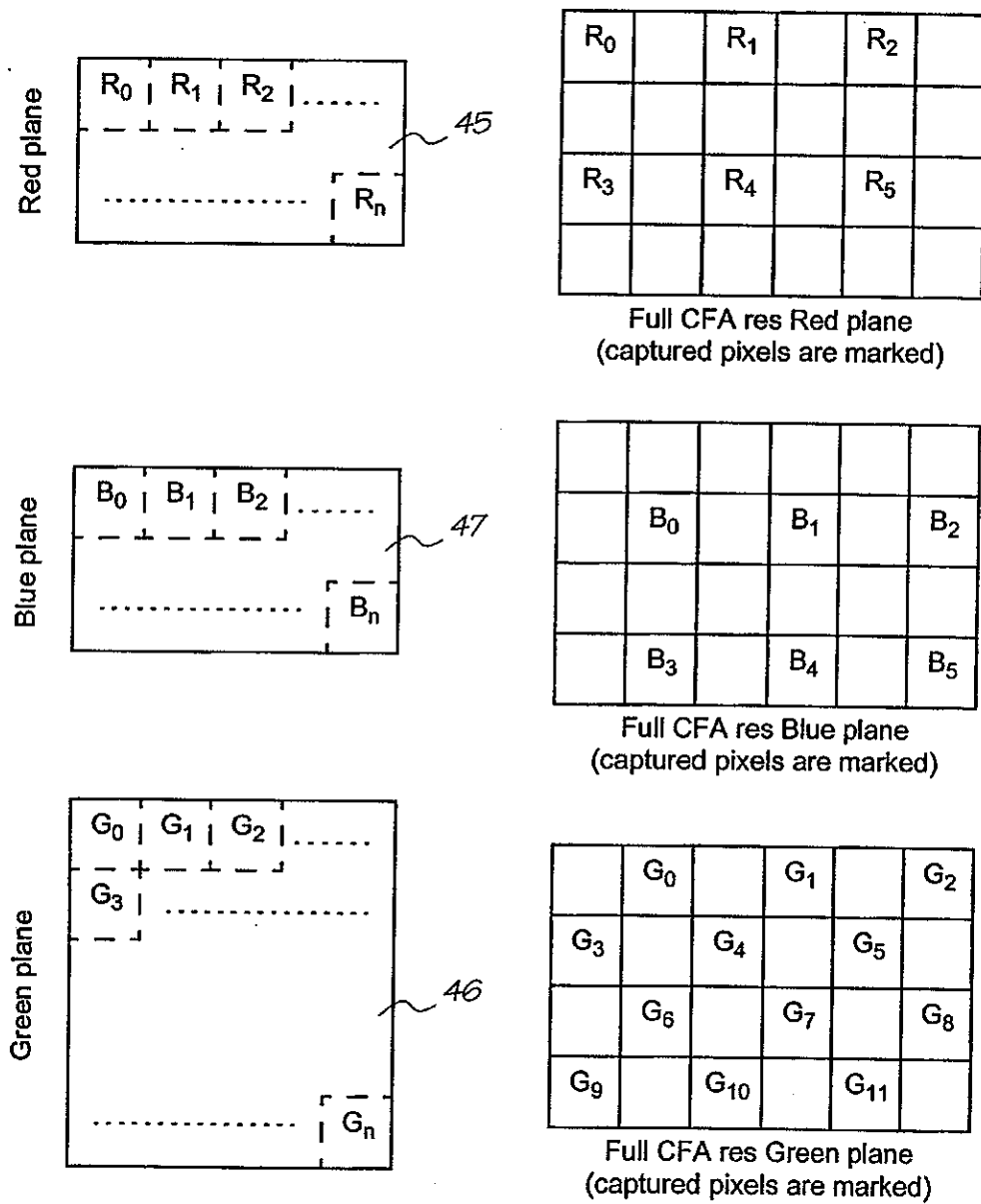


FIG. 22

17/43

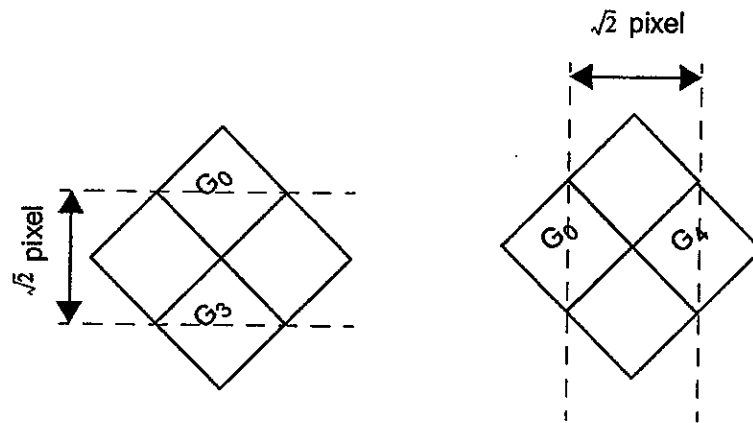


FIG. 24

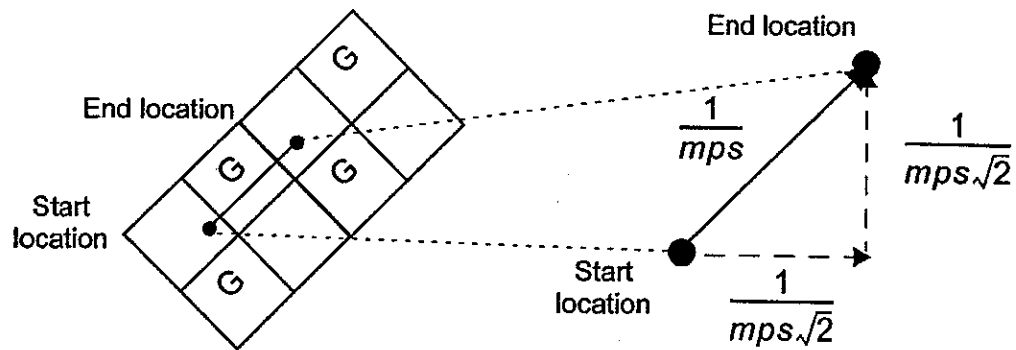


FIG. 25

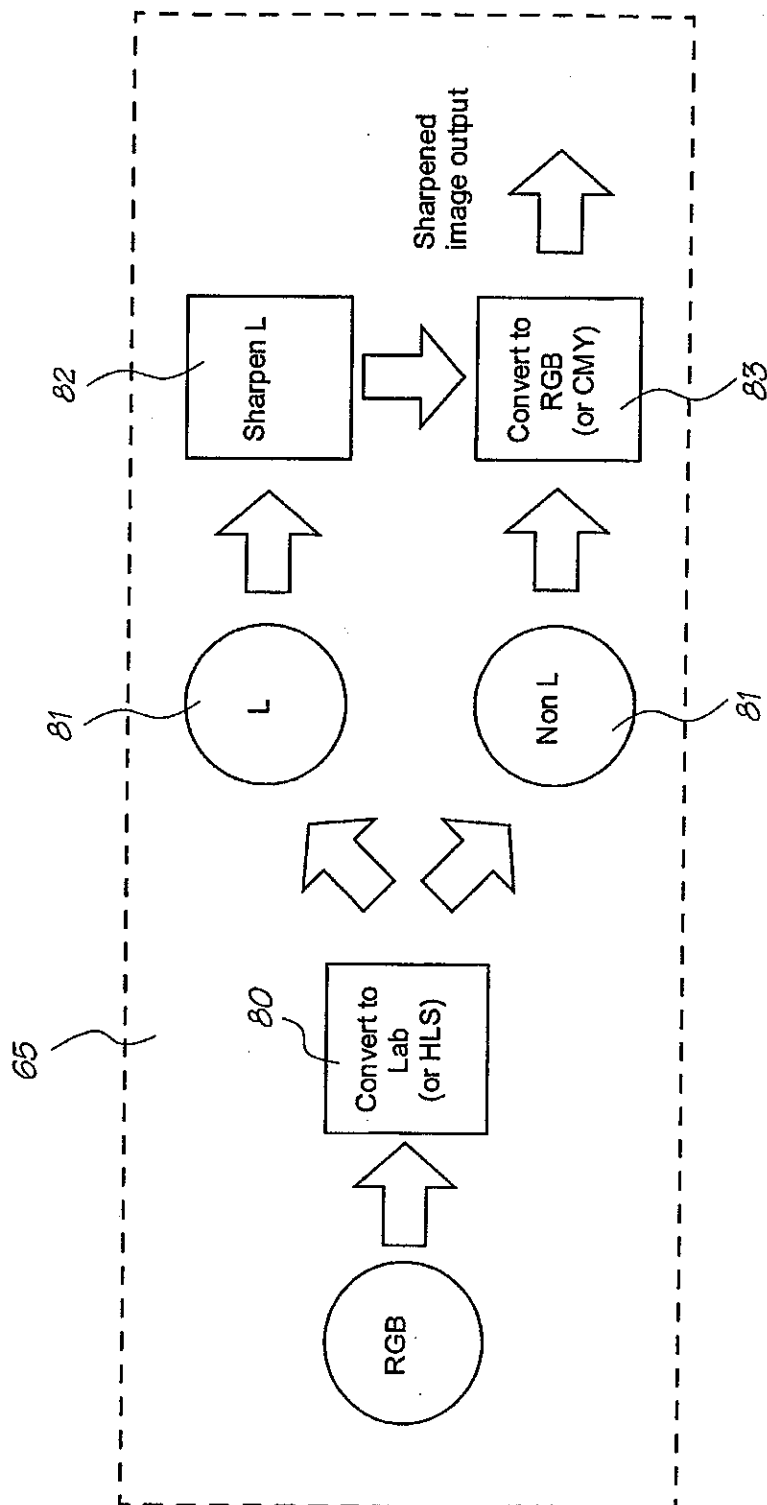


FIG. 26

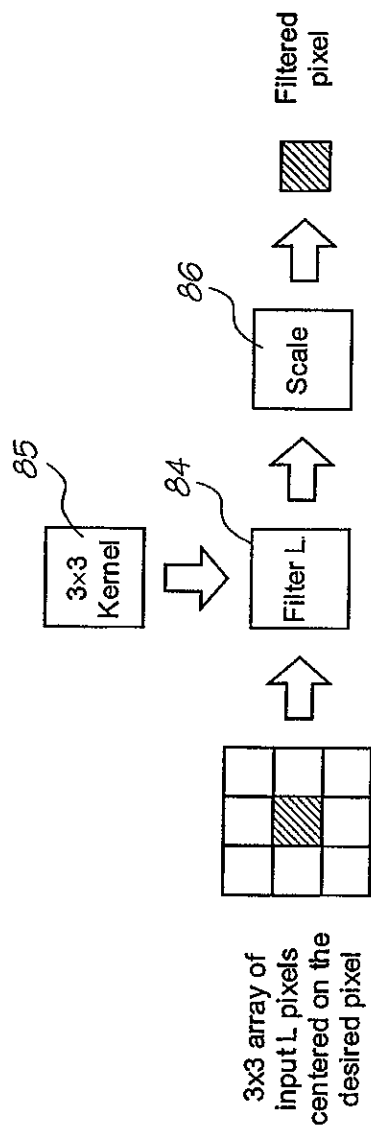


FIG. 27

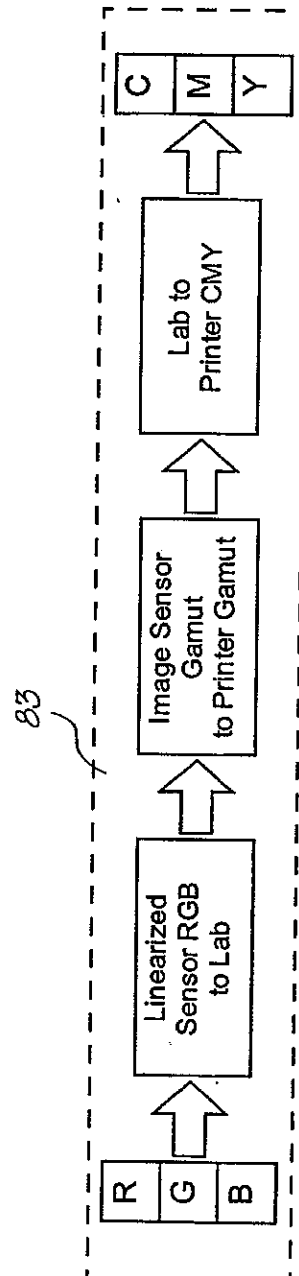


FIG. 28

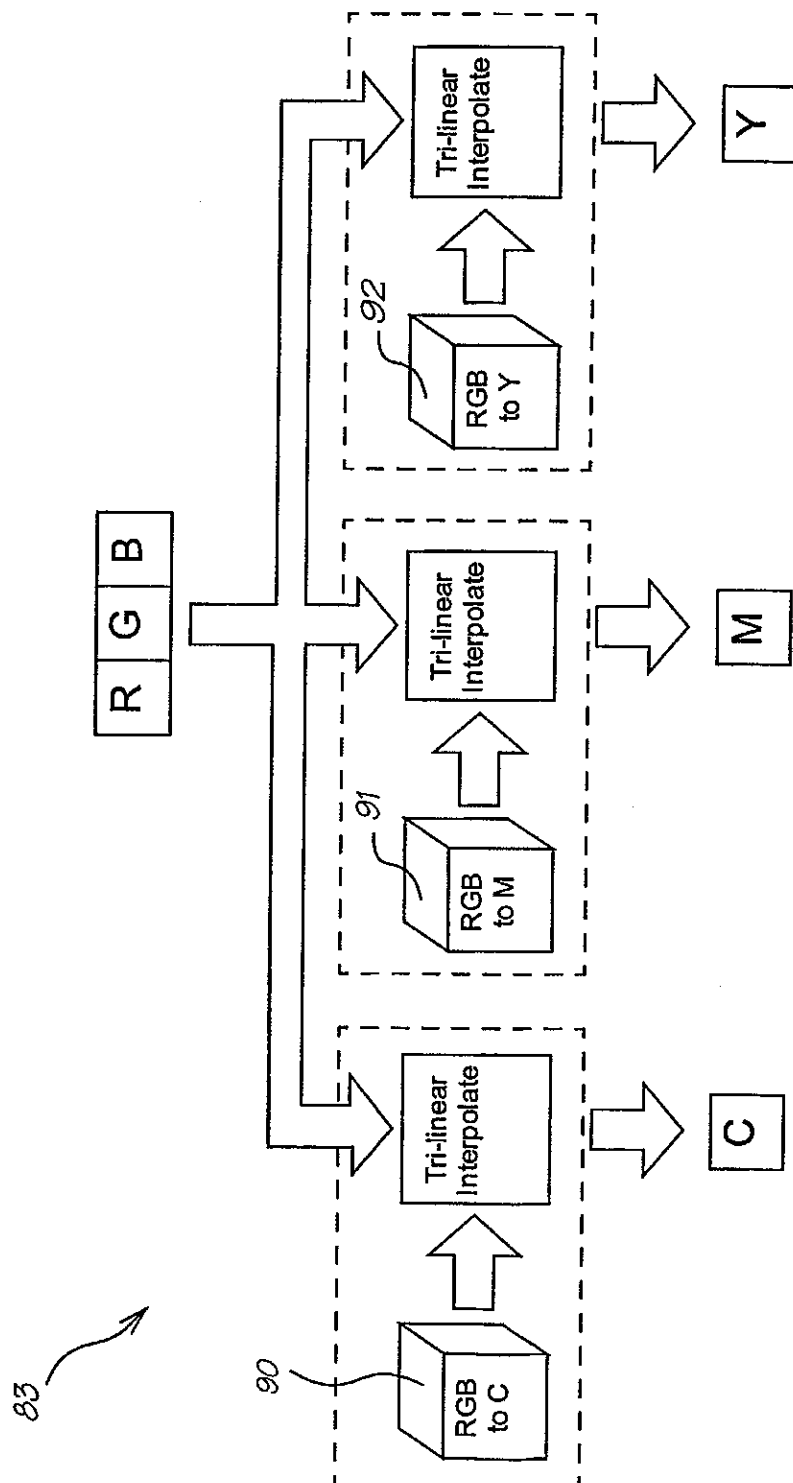


FIG. 29

21/43

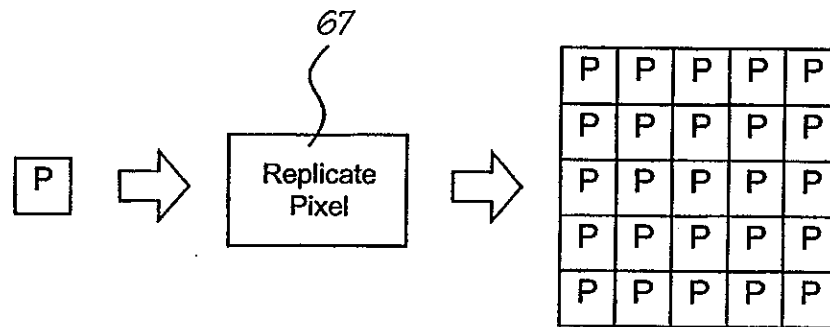


FIG. 30

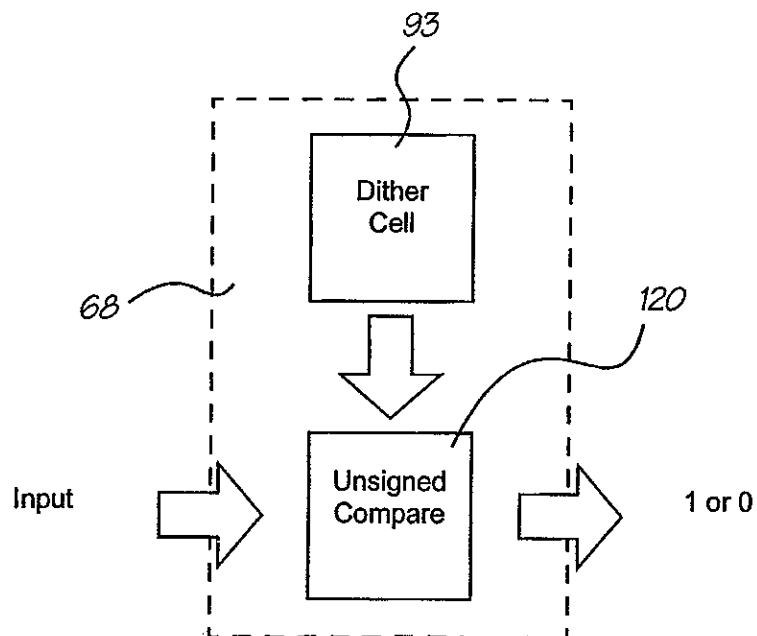


FIG. 31

22/43

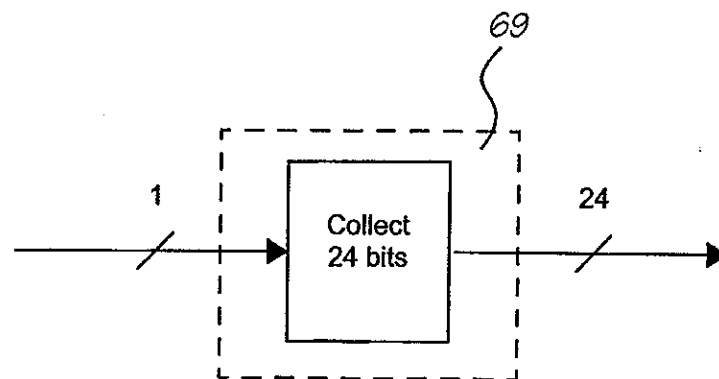


FIG. 32

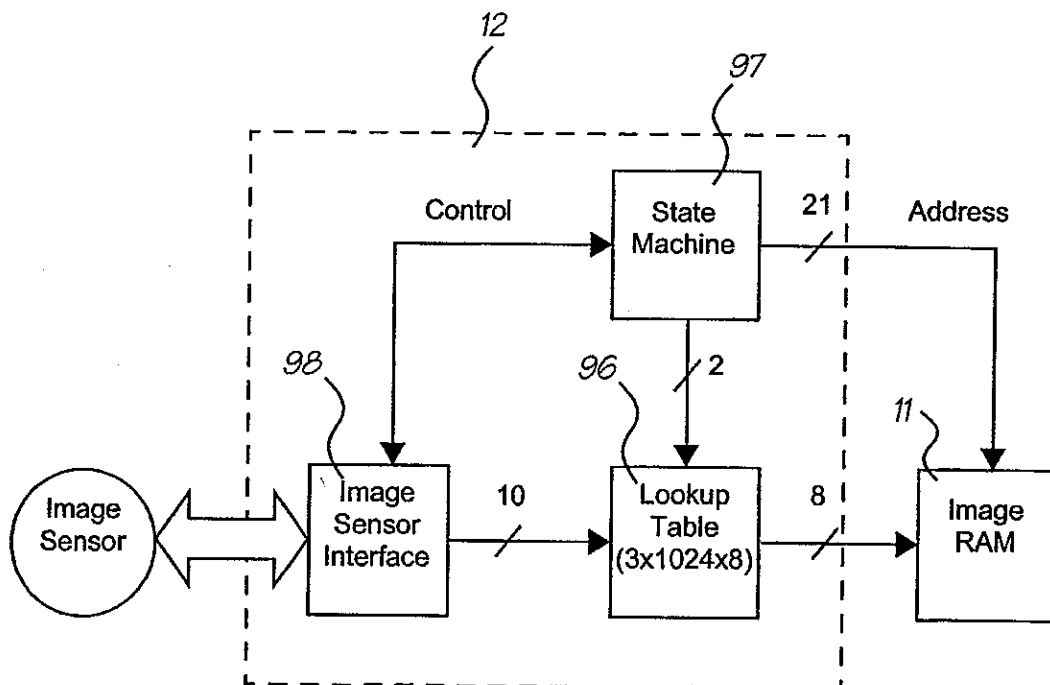


FIG. 33

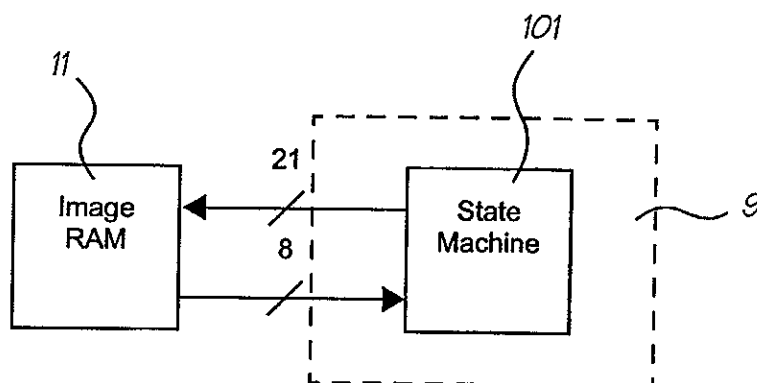


FIG. 35

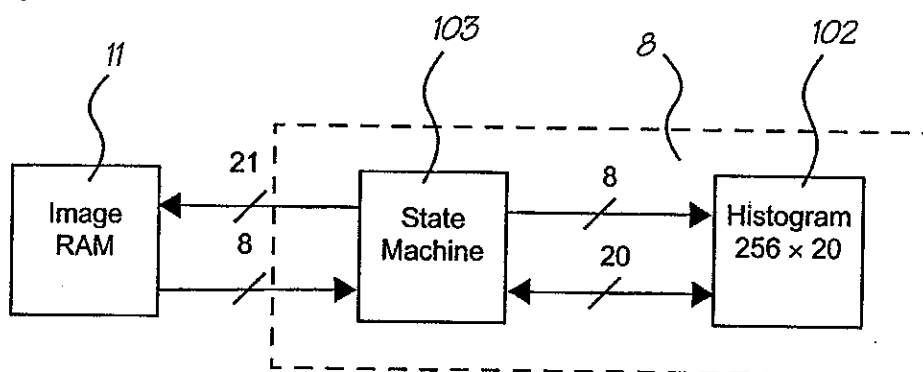


FIG. 36

24/43

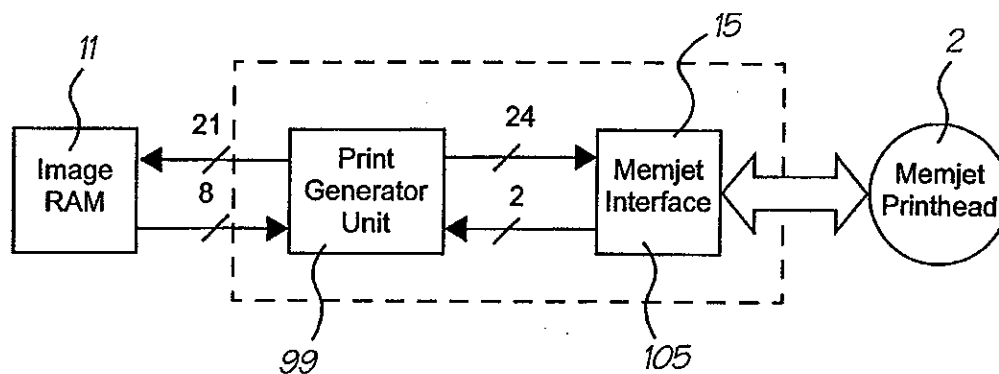


FIG. 37

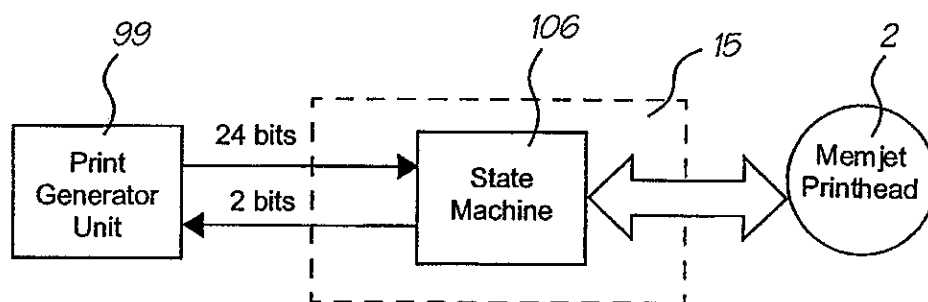


FIG. 38

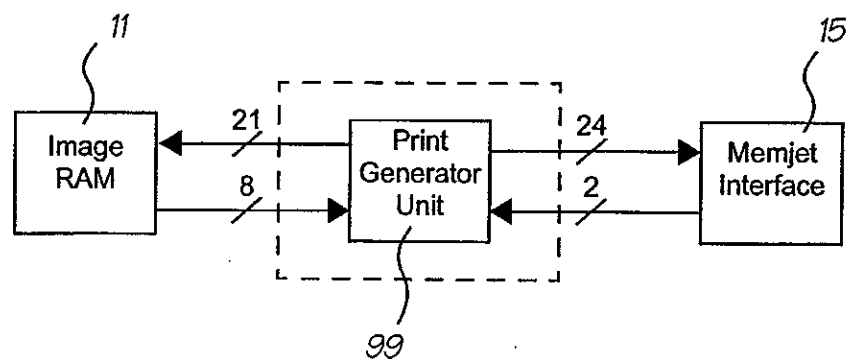


FIG. 41

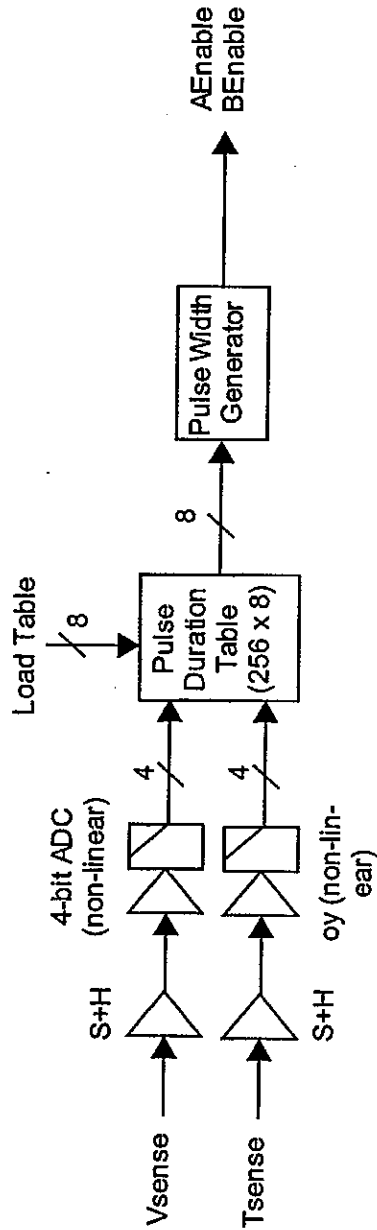


FIG. 39

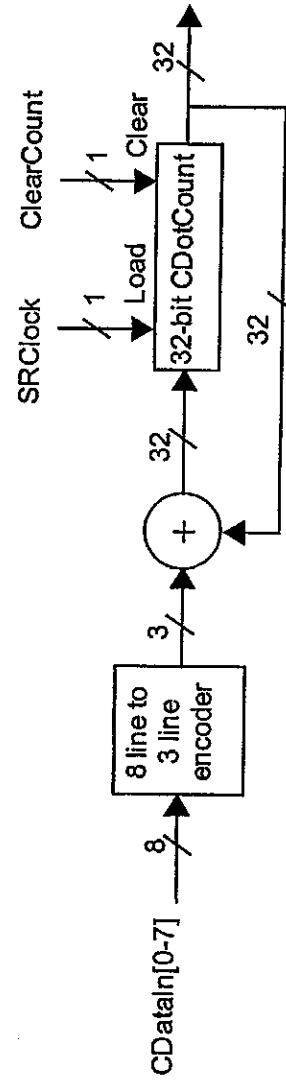


FIG. 40

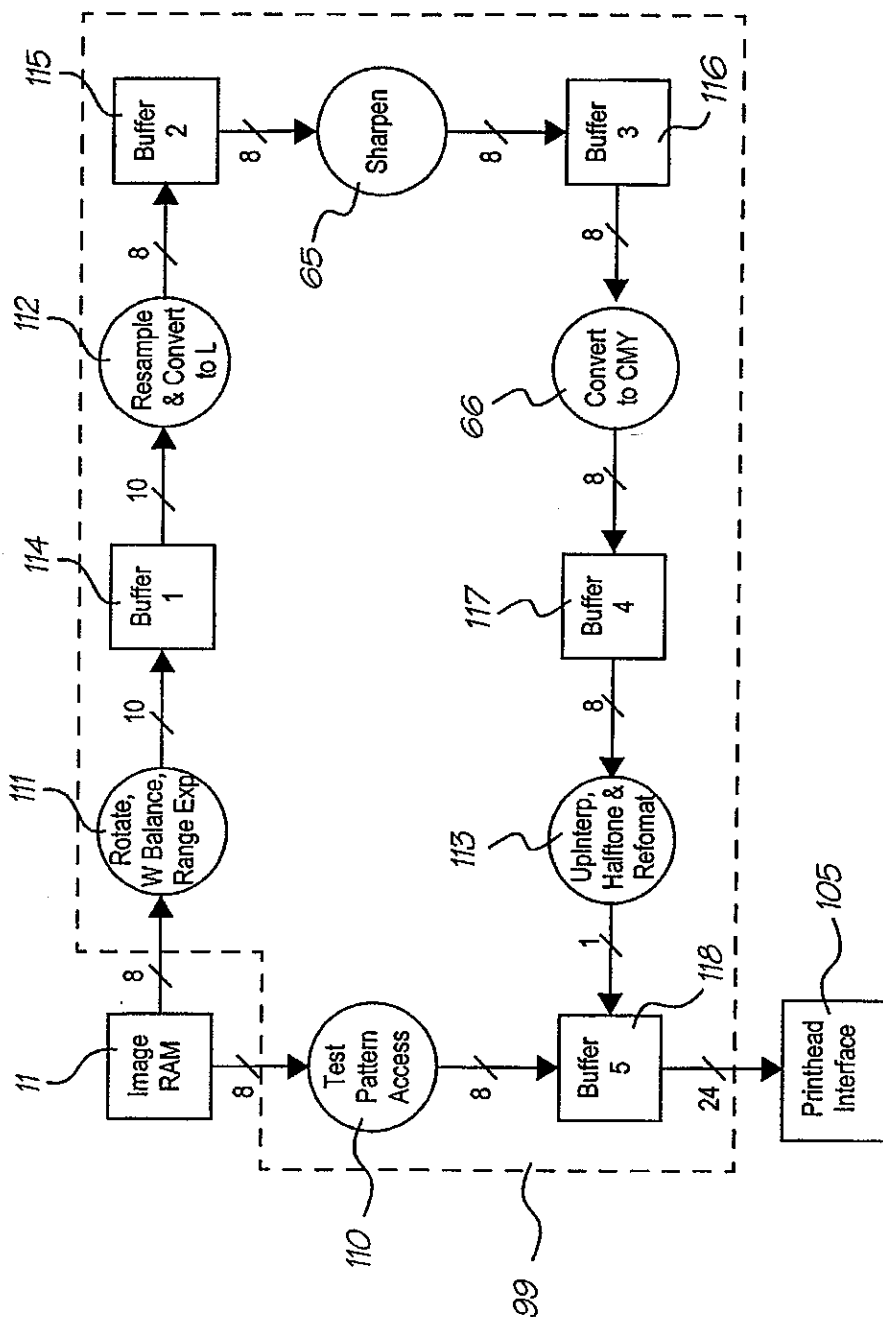


FIG. 42

27/43

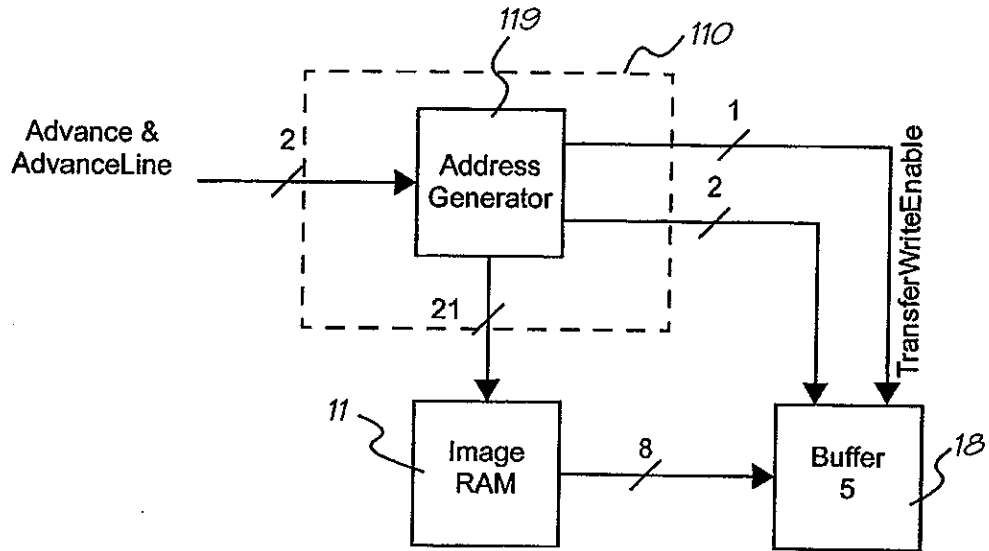


FIG. 43

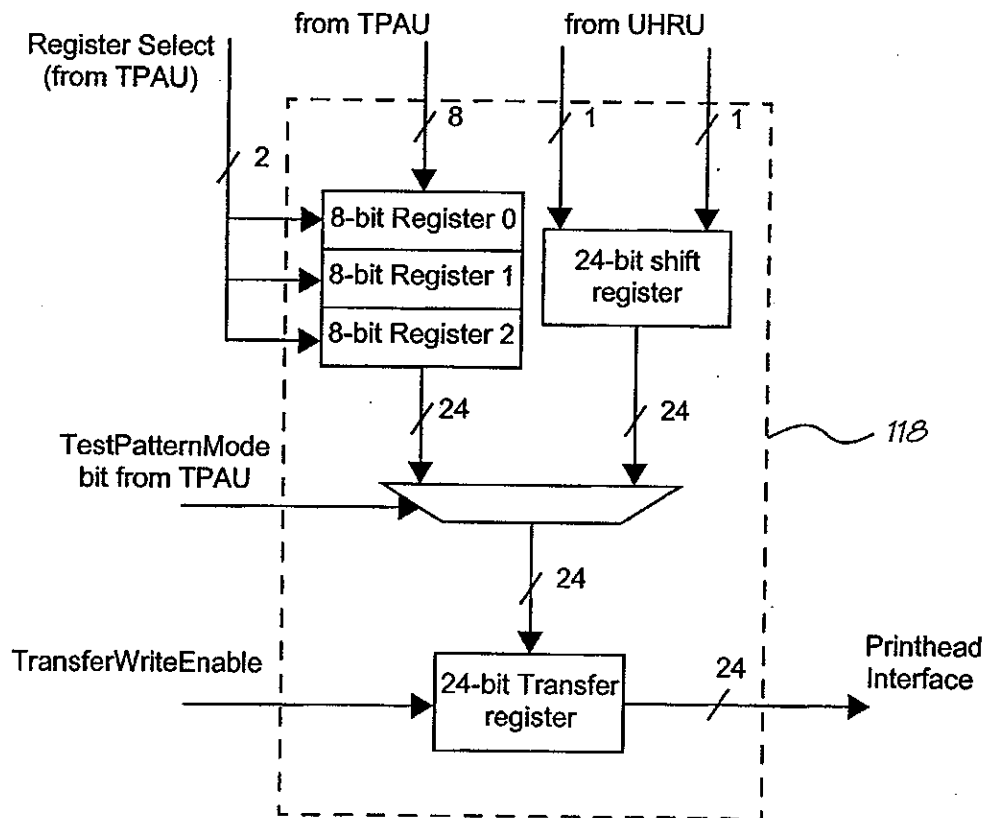


FIG. 44

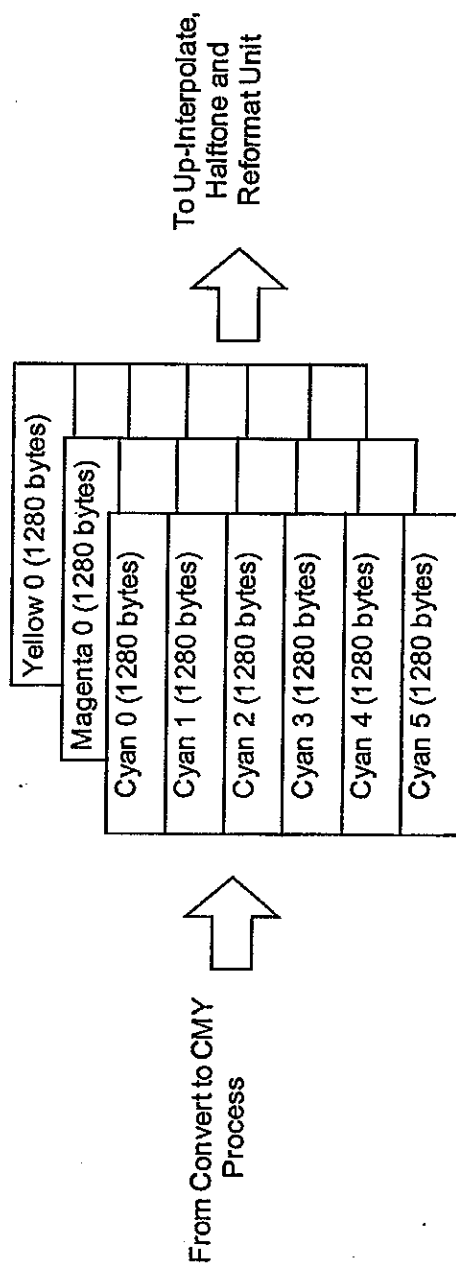


FIG. 45

29/43

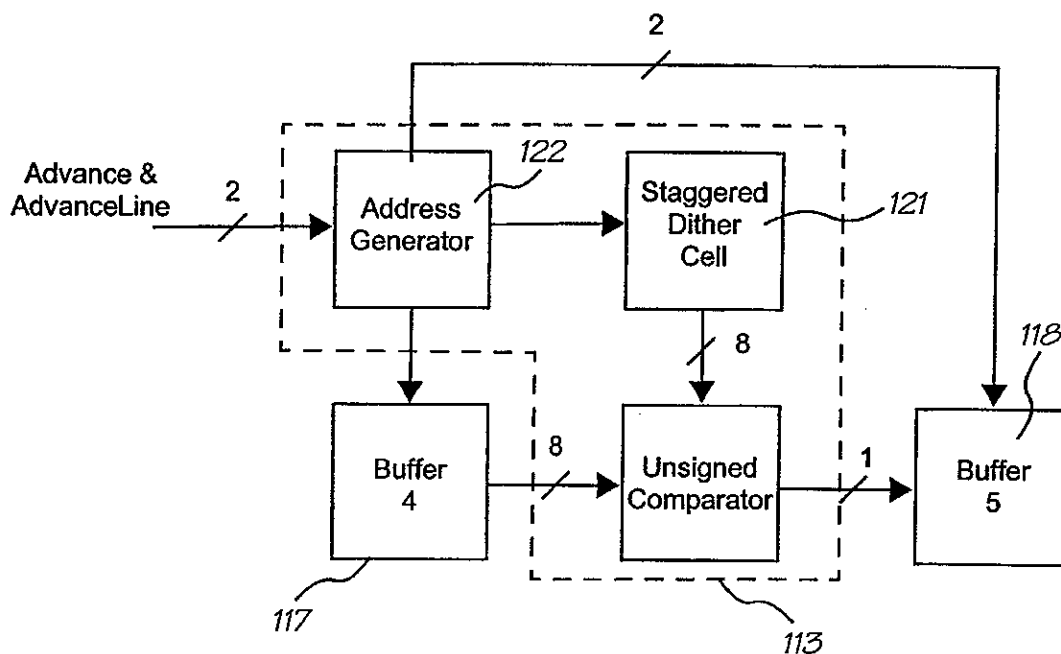


FIG. 46

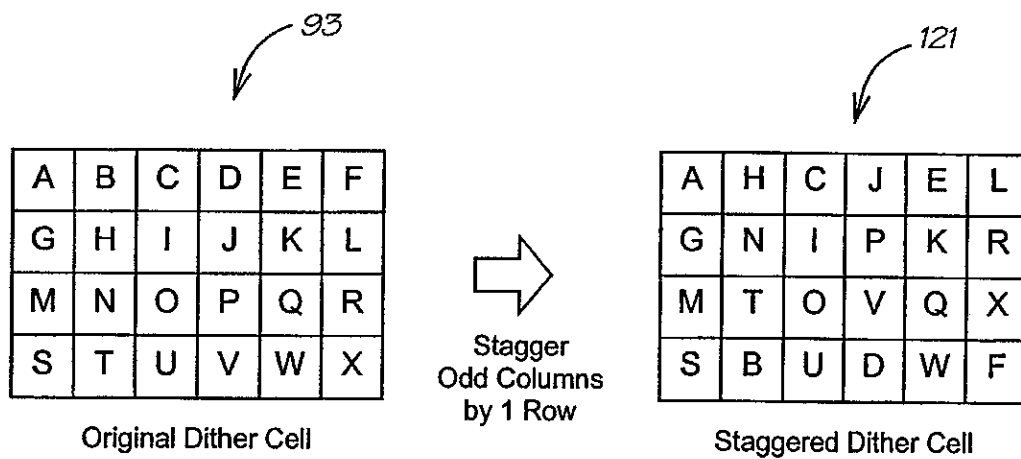


FIG. 47

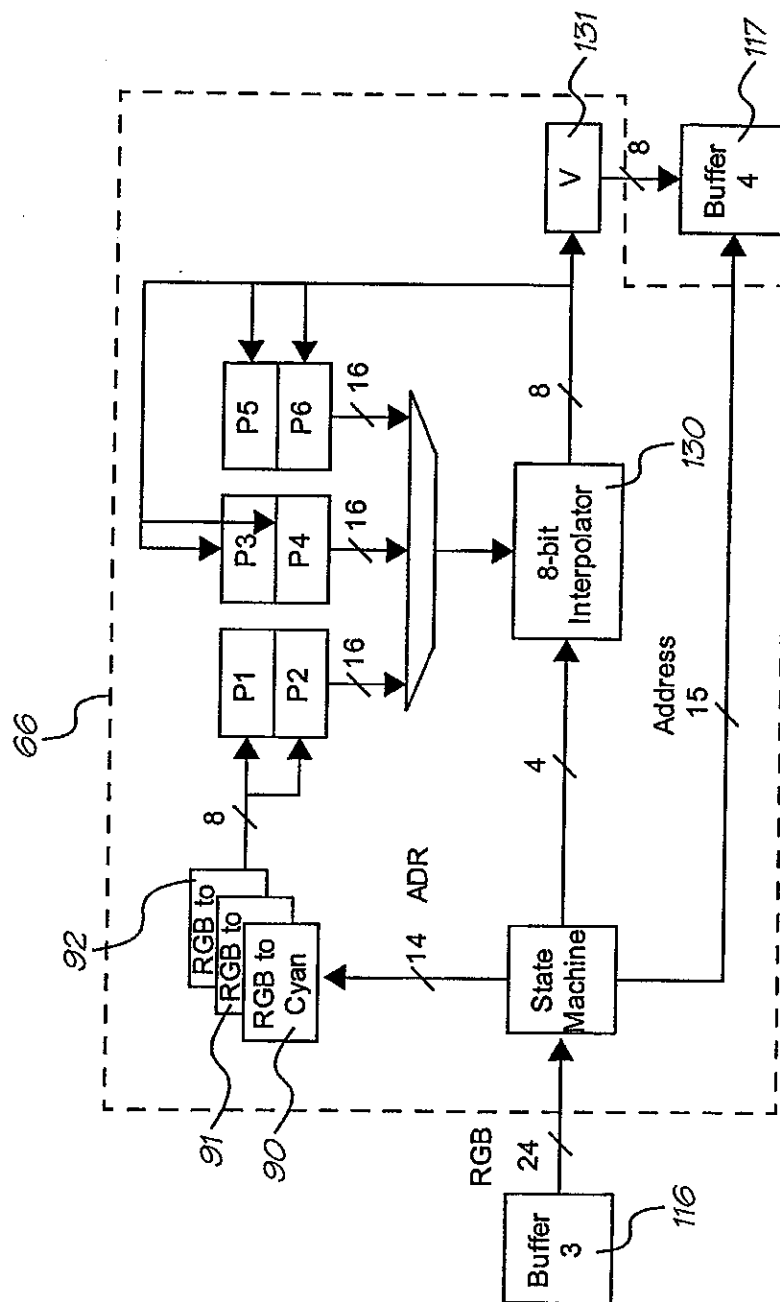


FIG. 48

31/43

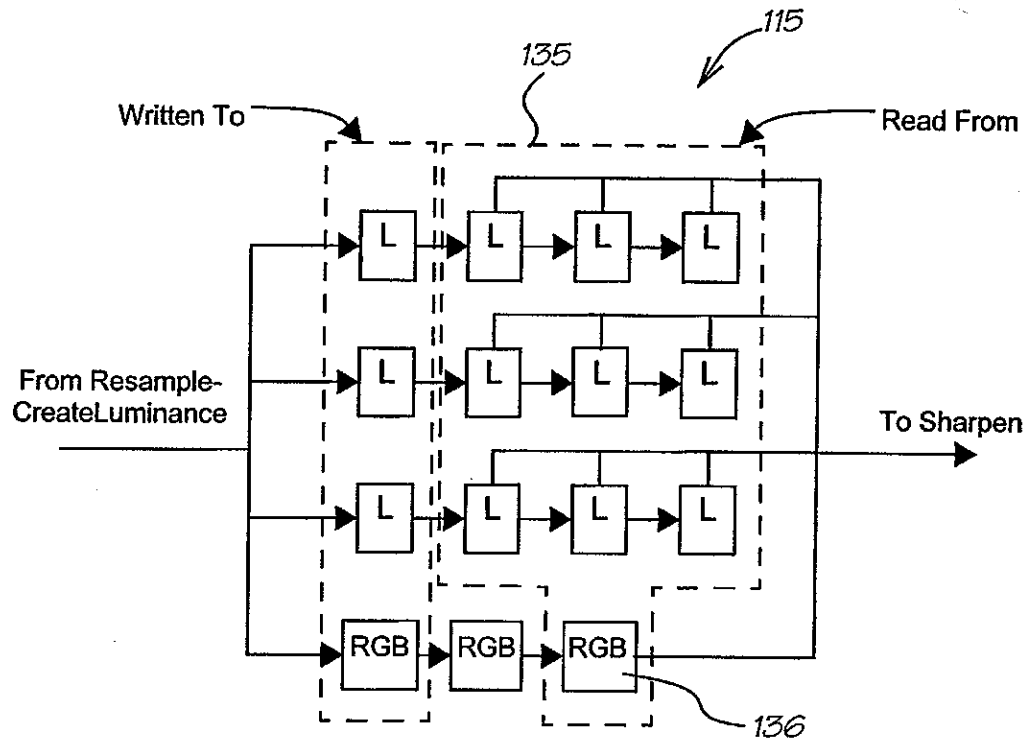


FIG. 49

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

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

FIG. 50

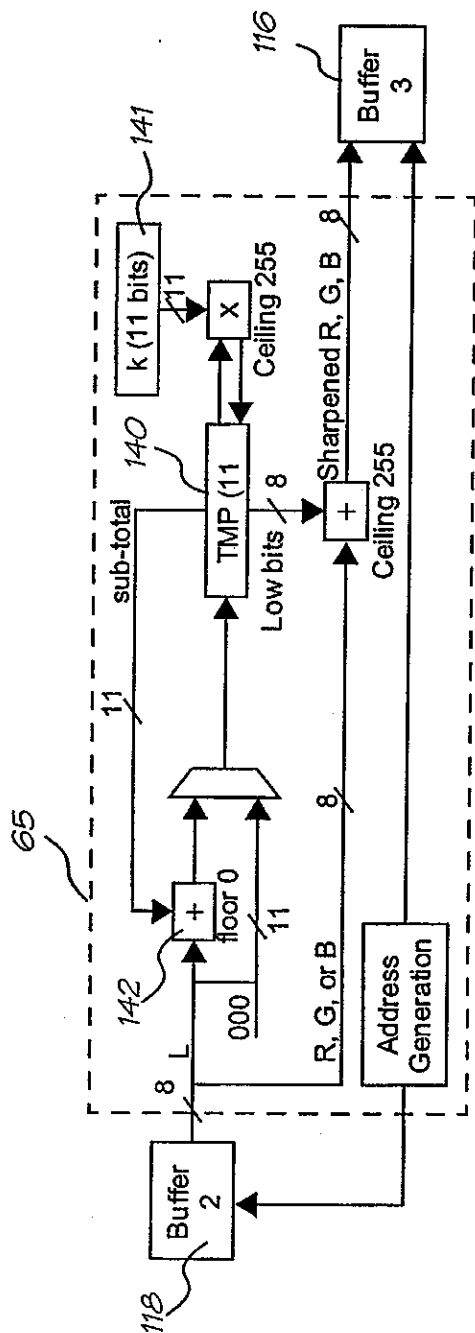


FIG. 51

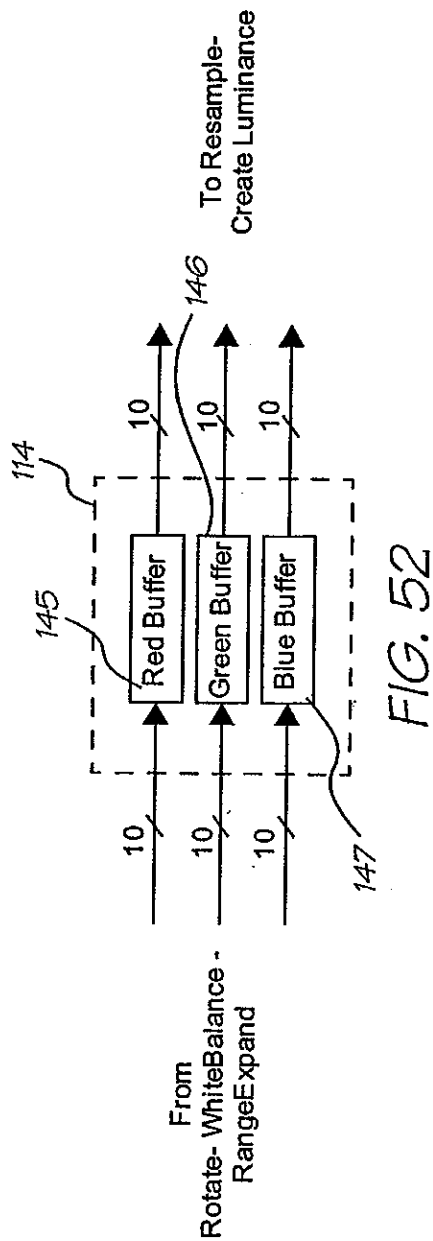


FIG. 52

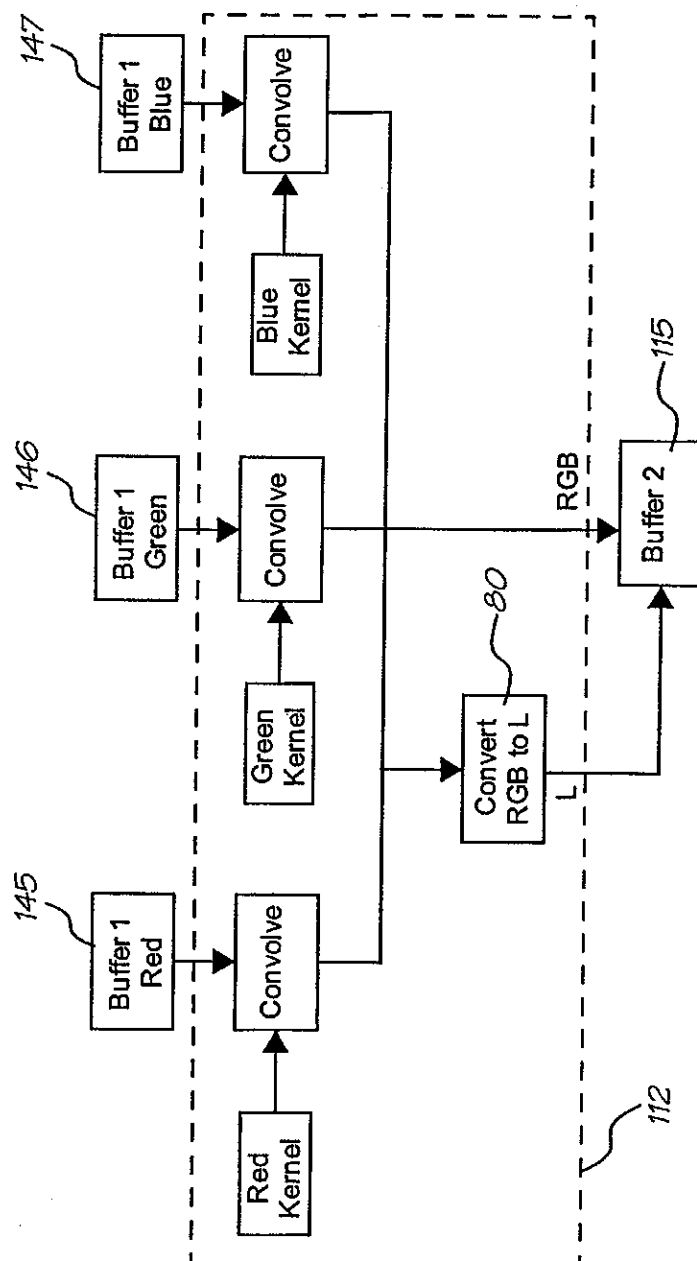


FIG. 53

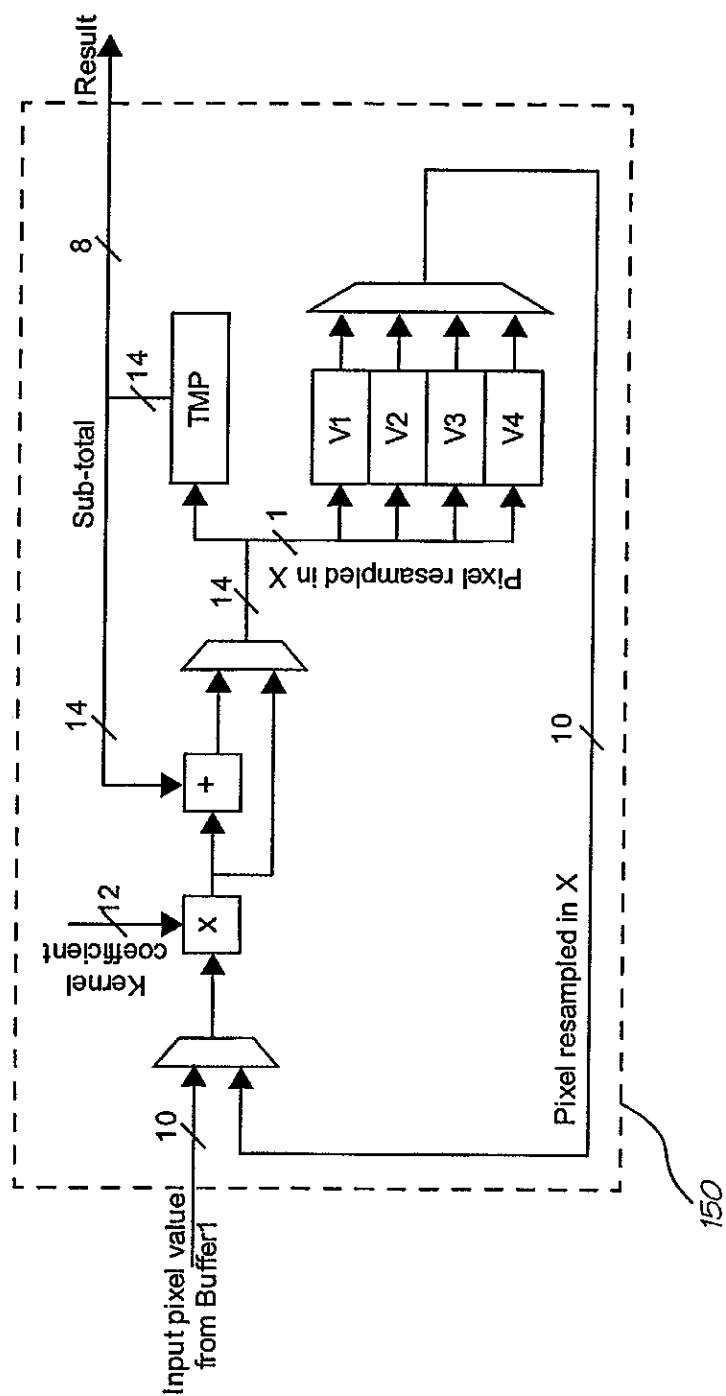


FIG. 54

35/43

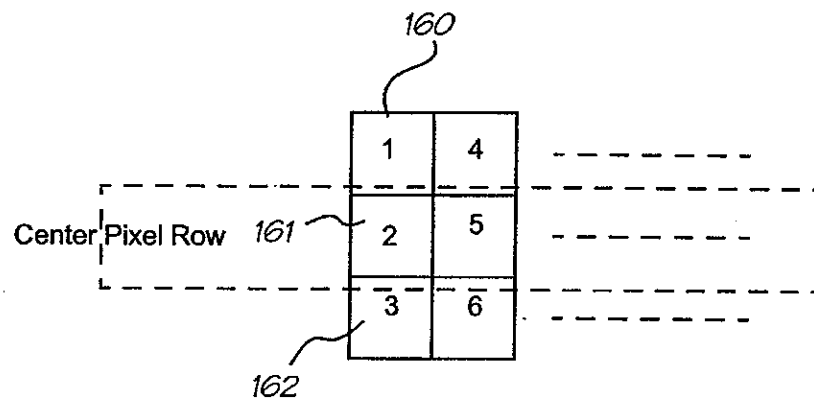


FIG. 55

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

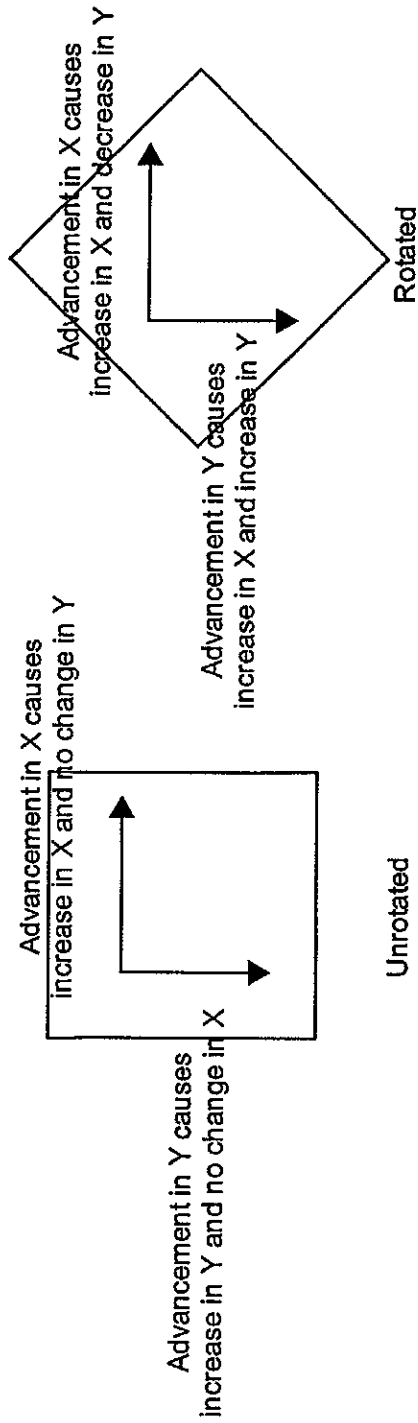


FIG. 56

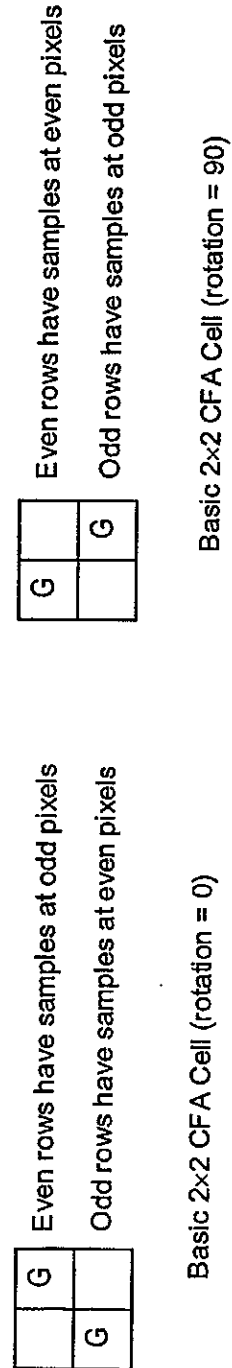


FIG. 58

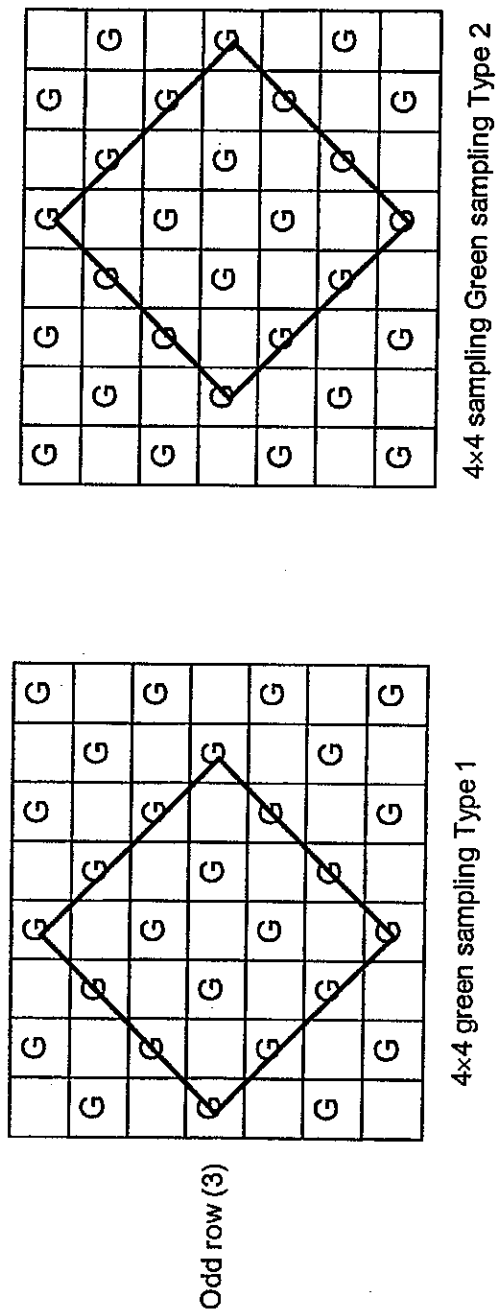


FIG. 59

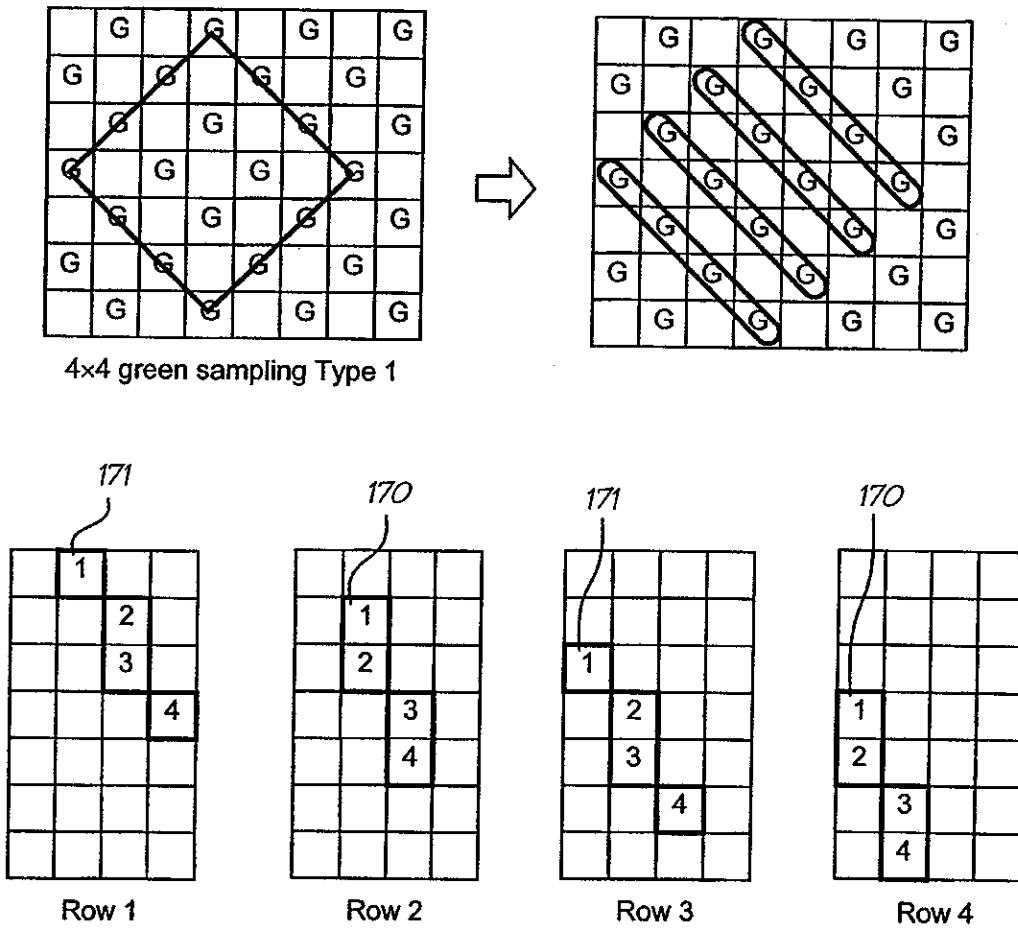


FIG. 60

39/43

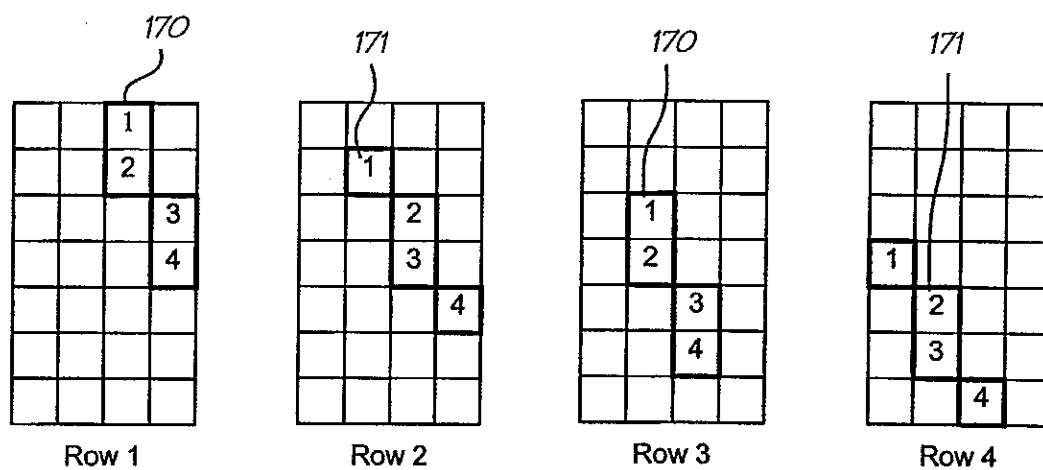
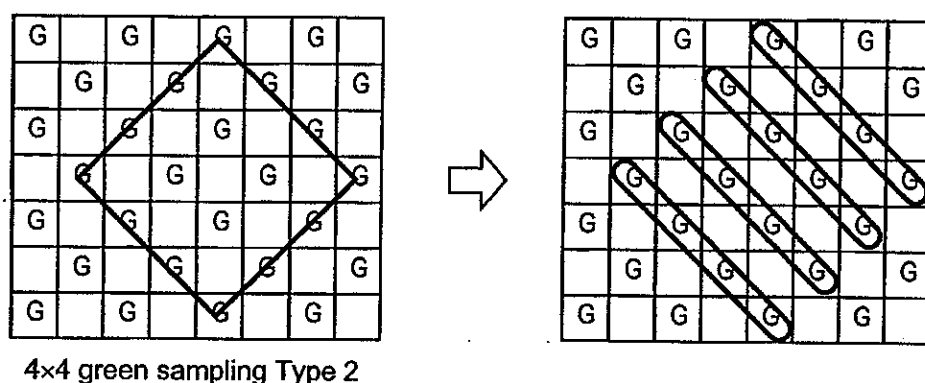


FIG. 61

40/43

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

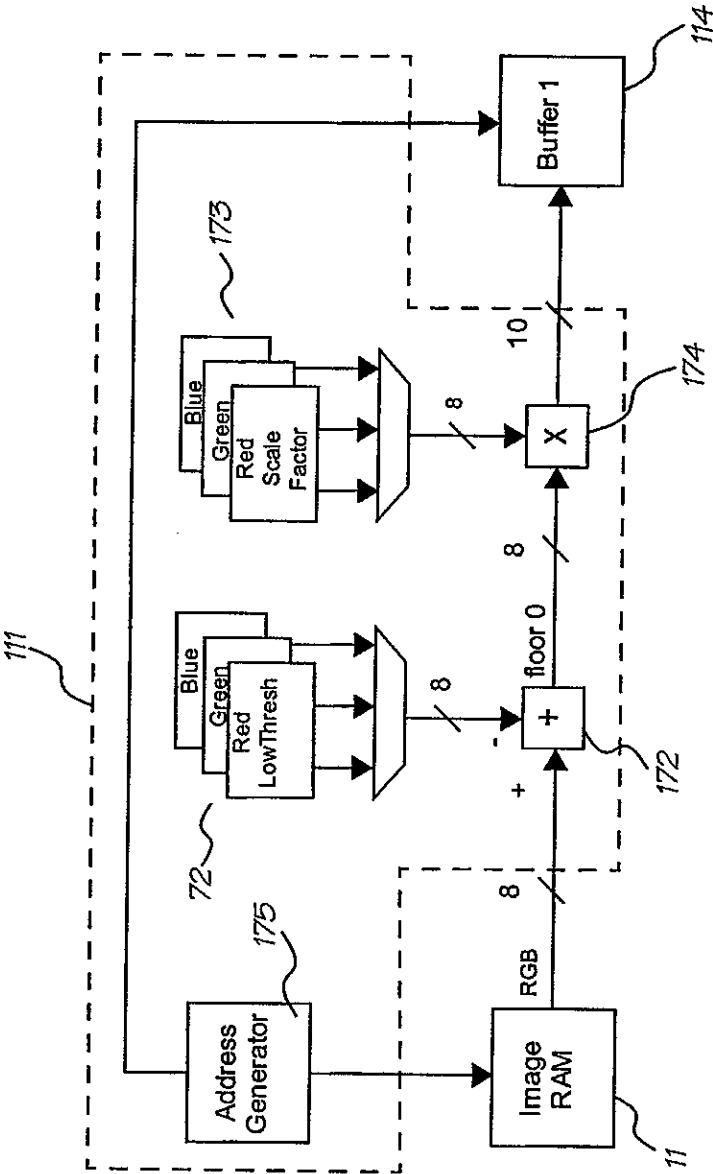


FIG. 66

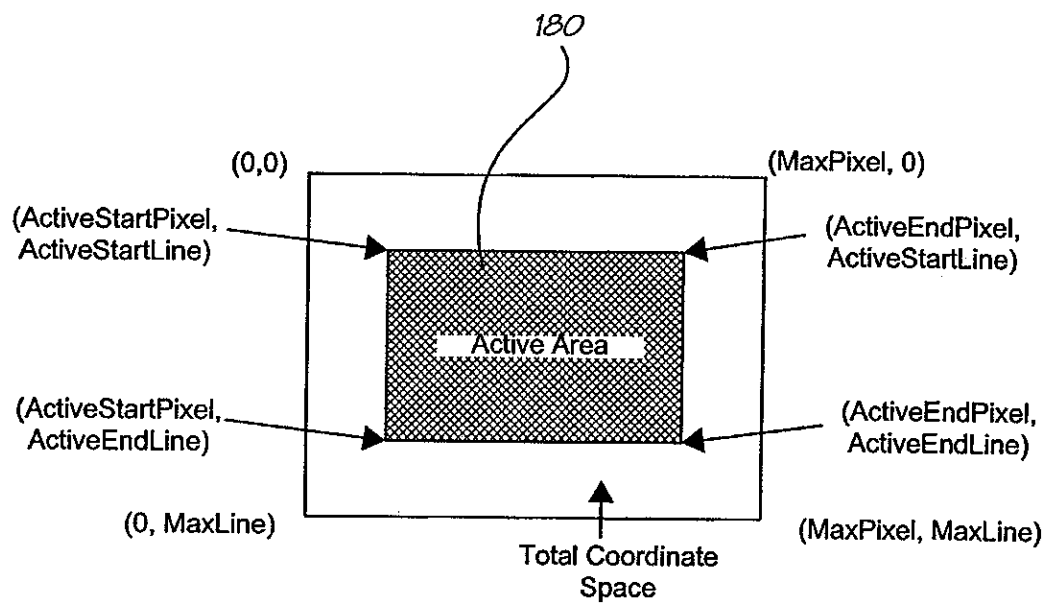


FIG. 67