

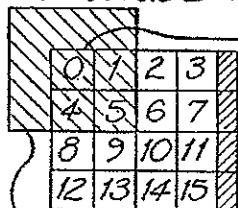
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A 3x3 BOX VIEW TRAVERSES THE PIXELS IN ORDER: 0,1,2,3,4,5,6,7,8 ETC,
PLACING A 3x3 BOX CENTERED OVER EACH PIXEL...

3x3 BOX VIEW OF FIRST PIXEL IN
IMAGE = 9 PIXELS, 5 OF WHICH
ARE OUTSIDE THE IMAGE



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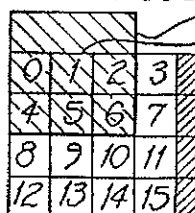


FIRST 9 PIXELS FROM THE
BOX READ ITERATOR:

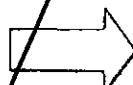
IF DUPLICATION OF EDGE PIXELS IS ON:
0,0,0,0,0,1,4,4,5

IF DUPLICATION OF EDGE PIXELS IS OFF:
V,V,V,V,0,1,V,4,5
WHERE V IS CONSTANT
"OUTSIDE IMAGE" PIXEL VALUE

3x3 BOX VIEW OF SECOND PIXEL IN
IMAGE = 9 PIXELS, 3 OF WHICH
ARE OUTSIDE THE IMAGE



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SECOND 9 PIXELS FROM THE
BOX READ ITERATOR:

IF DUPLICATION OF EDGE PIXELS IS ON:
0,1,2,0,1,2,4,5,6

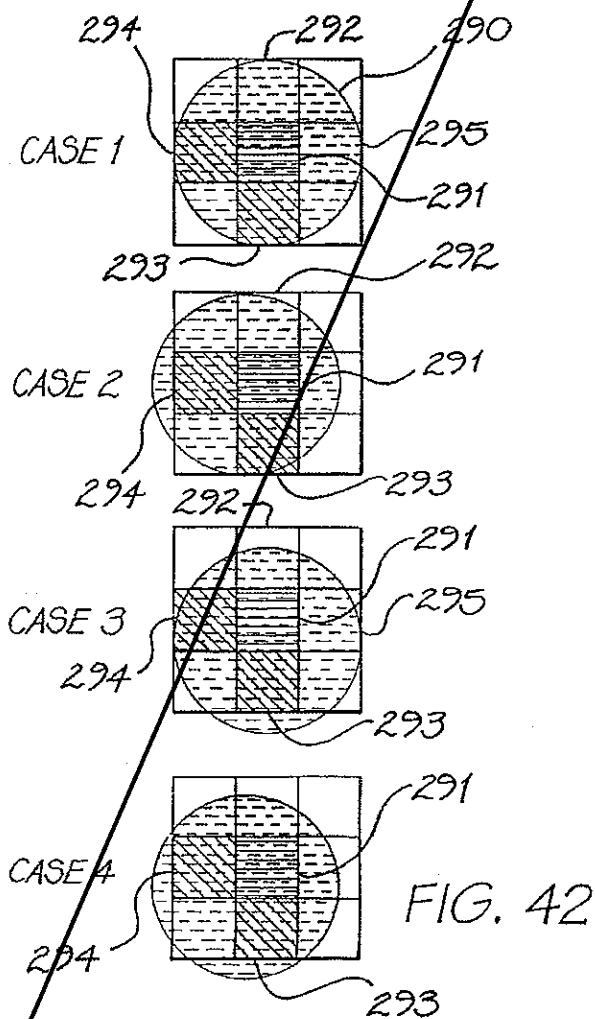
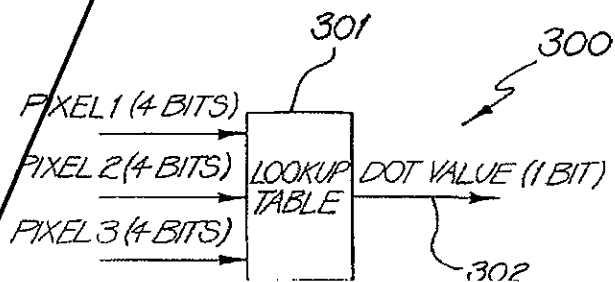
IF DUPLICATION OF EDGE PIXELS IS OFF:
V,V,V,0,1,2,4,5,6
WHERE V IS CONSTANT
"OUTSIDE IMAGE" PIXEL VALUE

FIG. 19

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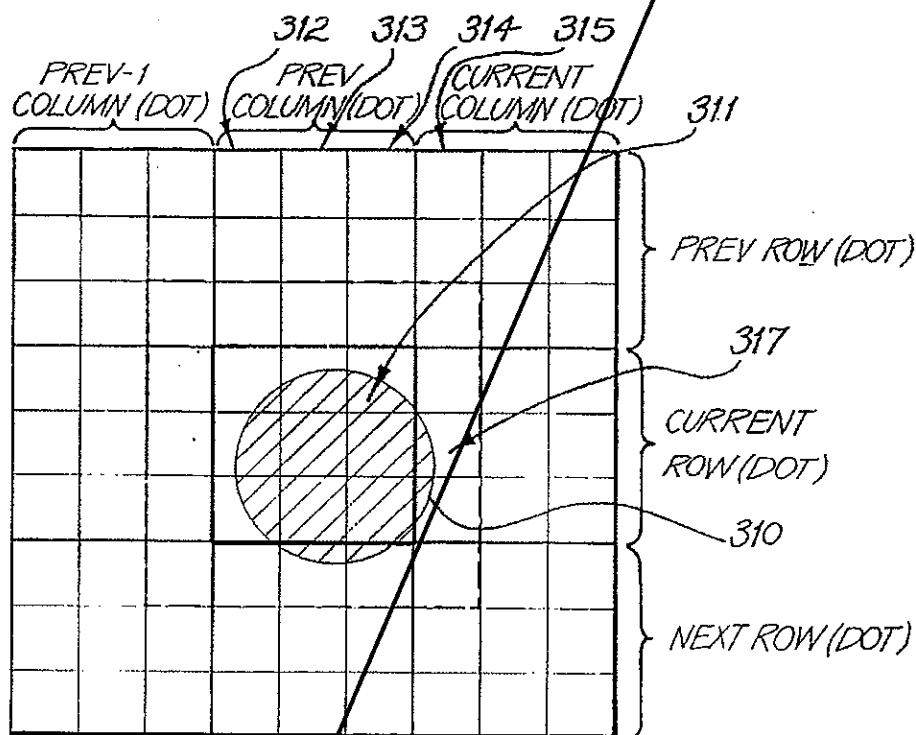
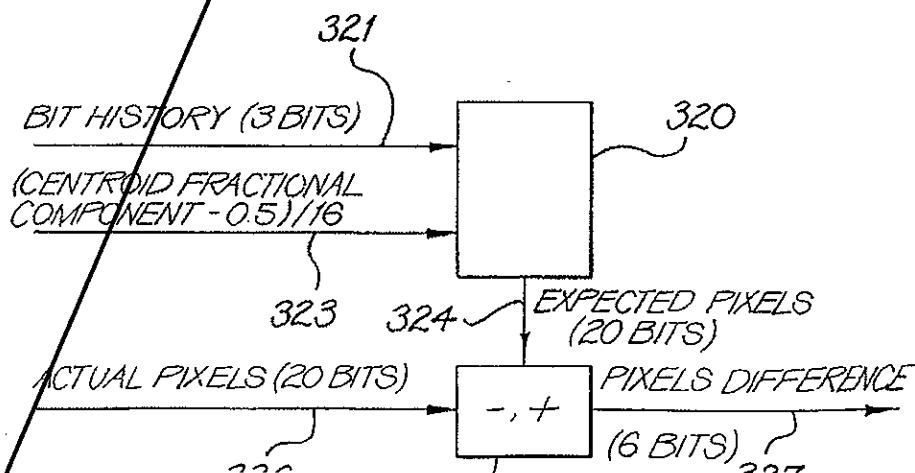
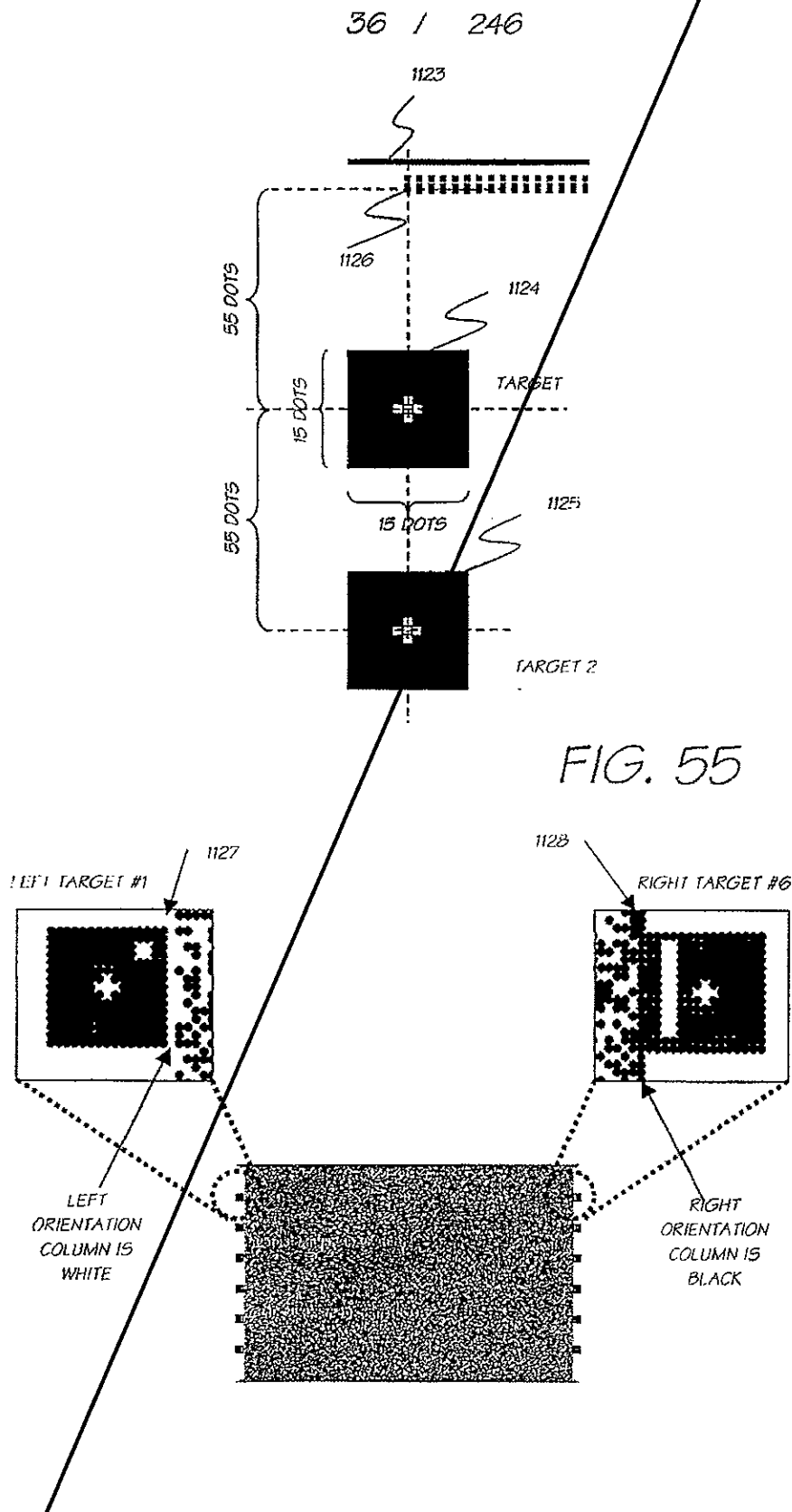


FIG. 44



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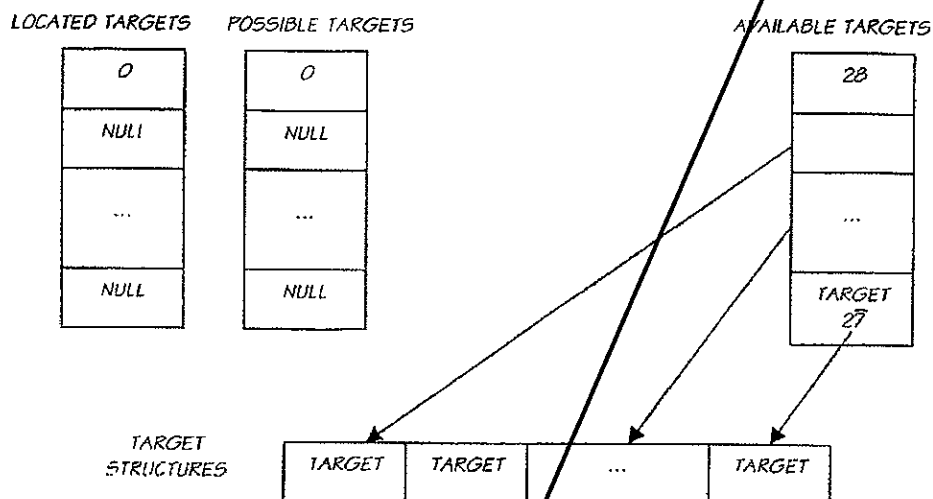
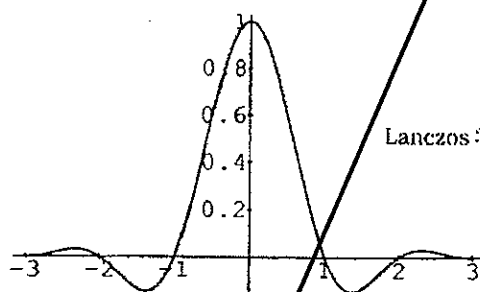


FIG. 75



$$\text{Lanczos } 3(x) = \begin{cases} \frac{\sin(\pi x)}{\pi x} \frac{\sin(\frac{\pi x}{3})}{\frac{x}{3}}, & |x| < 3 \\ 0, & |x| \geq 3 \end{cases}$$

FIG. 76

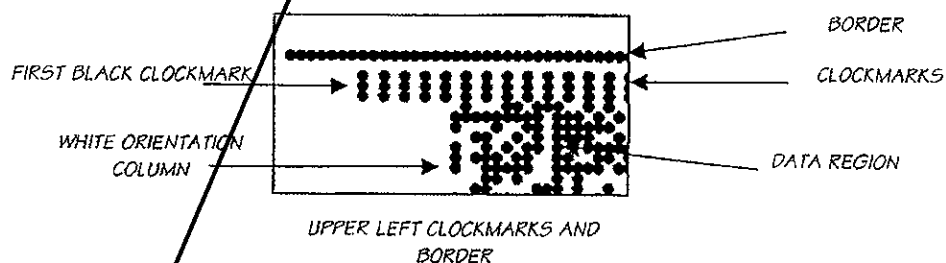


FIG. 77

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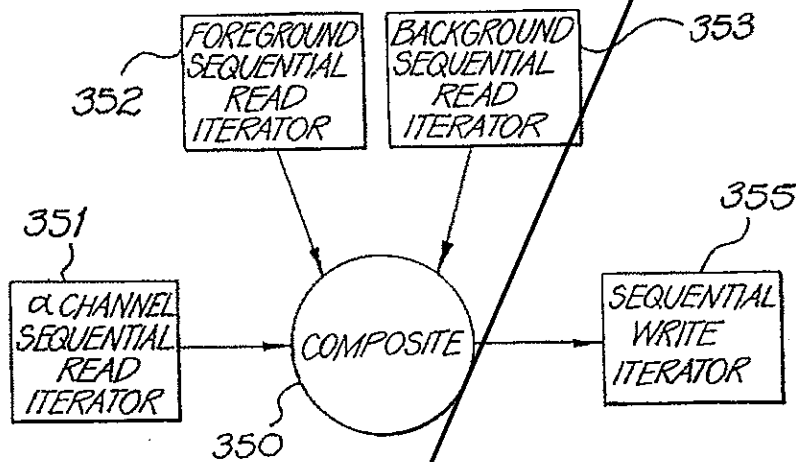
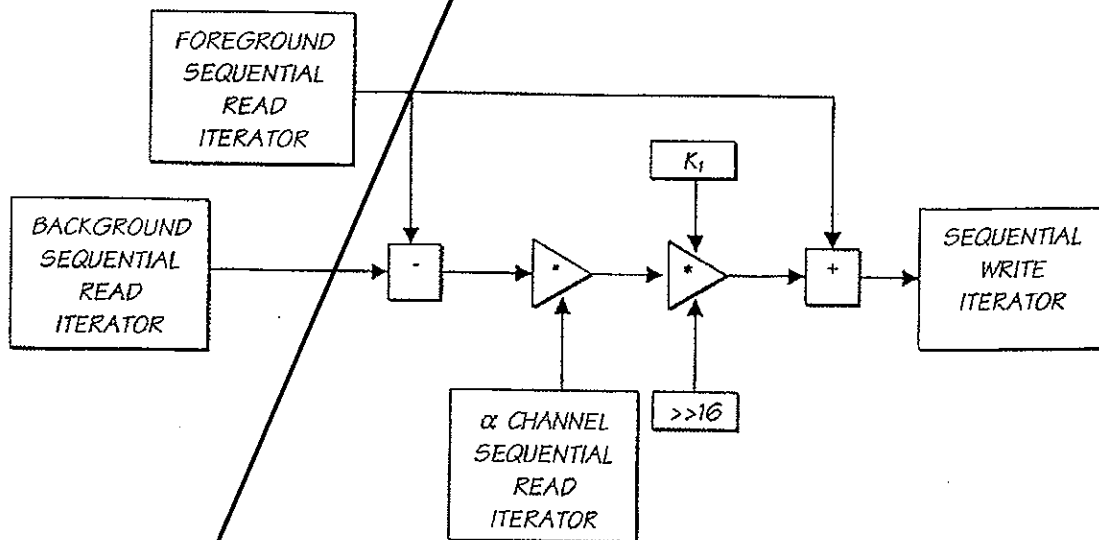


FIG. 83



A diagram showing a continuous roll of paper being processed by a print head. The paper is labeled "PAPER" and the print head is labeled "PRINT HEAD". The paper is shown moving from left to right, with a downward arrow indicating the "PAPER DIRECTION". The print head is shown printing a series of vertical lines on the paper.

SEGMENT 0	SEGMENT 1	SEGMENT 2	SEGMENT 3	SEGMENT 4	SEGMENT 5	SEGMENT 6	SEGMENT 7
-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------

1 DOT IS 16.6μ M IN DIAMETER
(A 100μ M SQUARE = $6 \times 6 =$
36 DOTS)

EACH REGIMENT CONTAINS 6 BOWS OF DOTS, ODD AND EVEN

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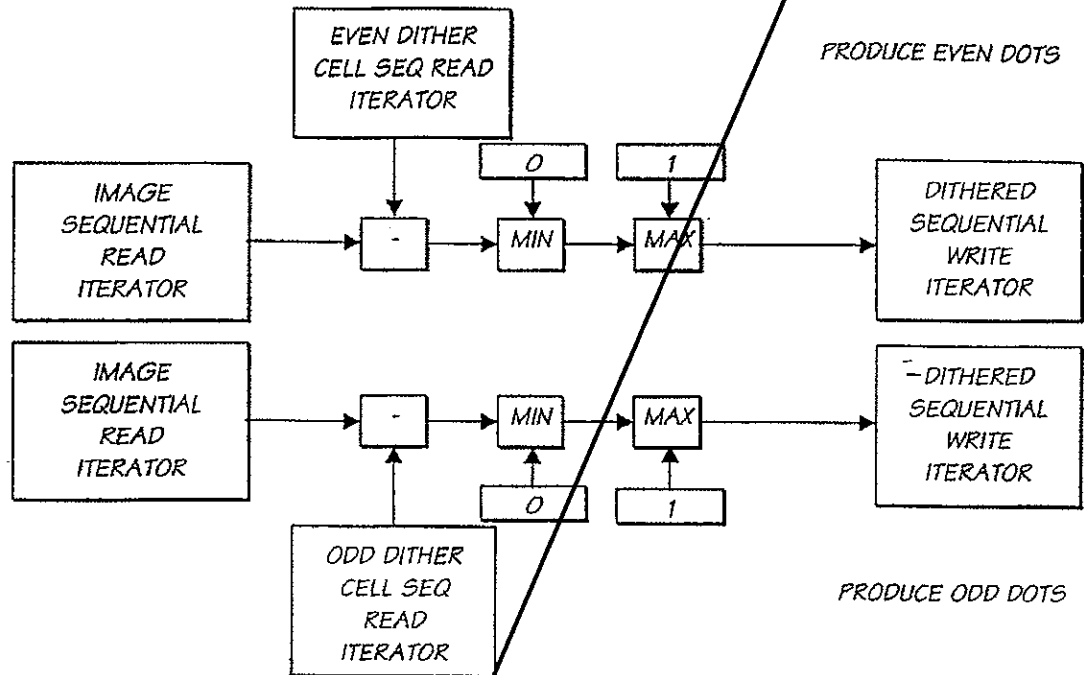
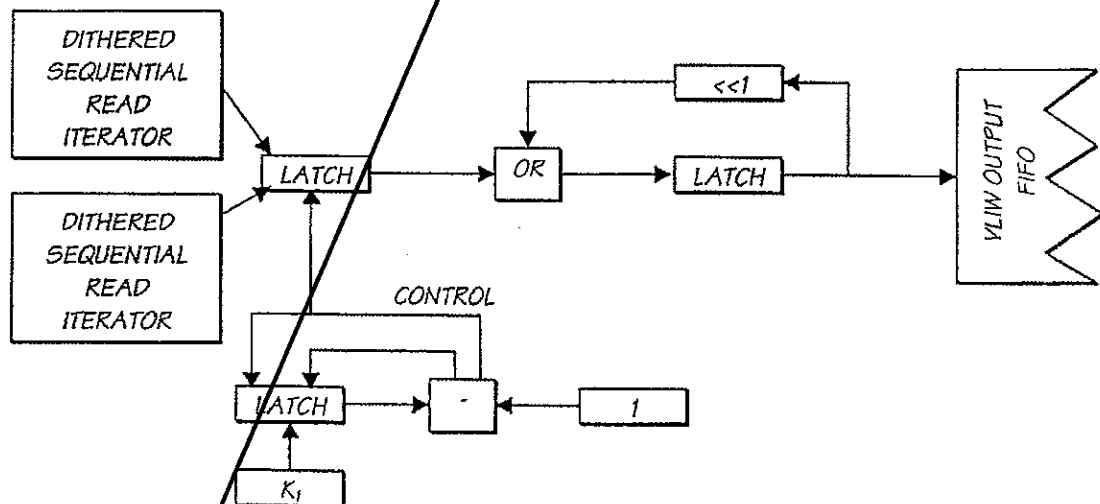
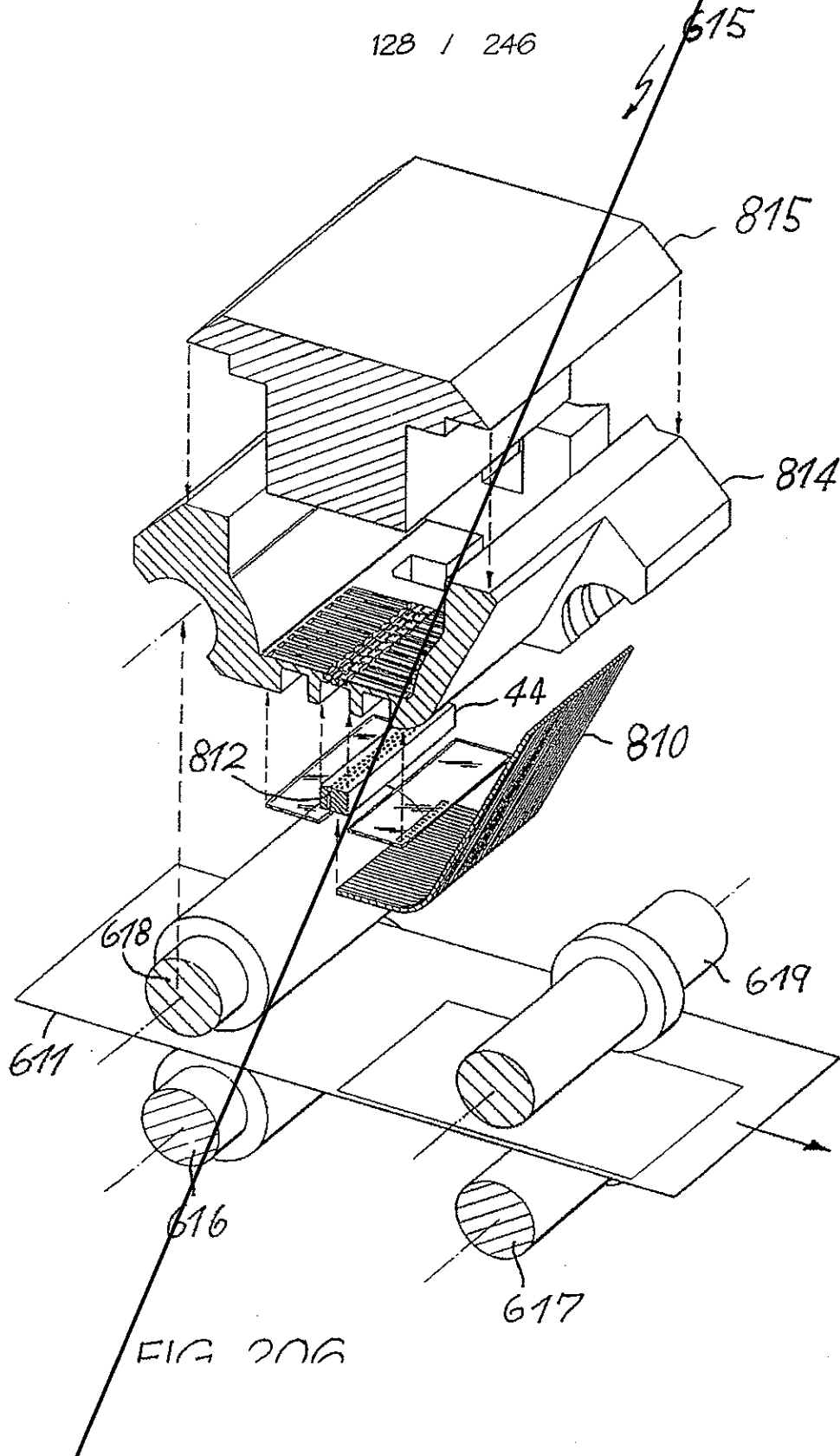


FIG. 157



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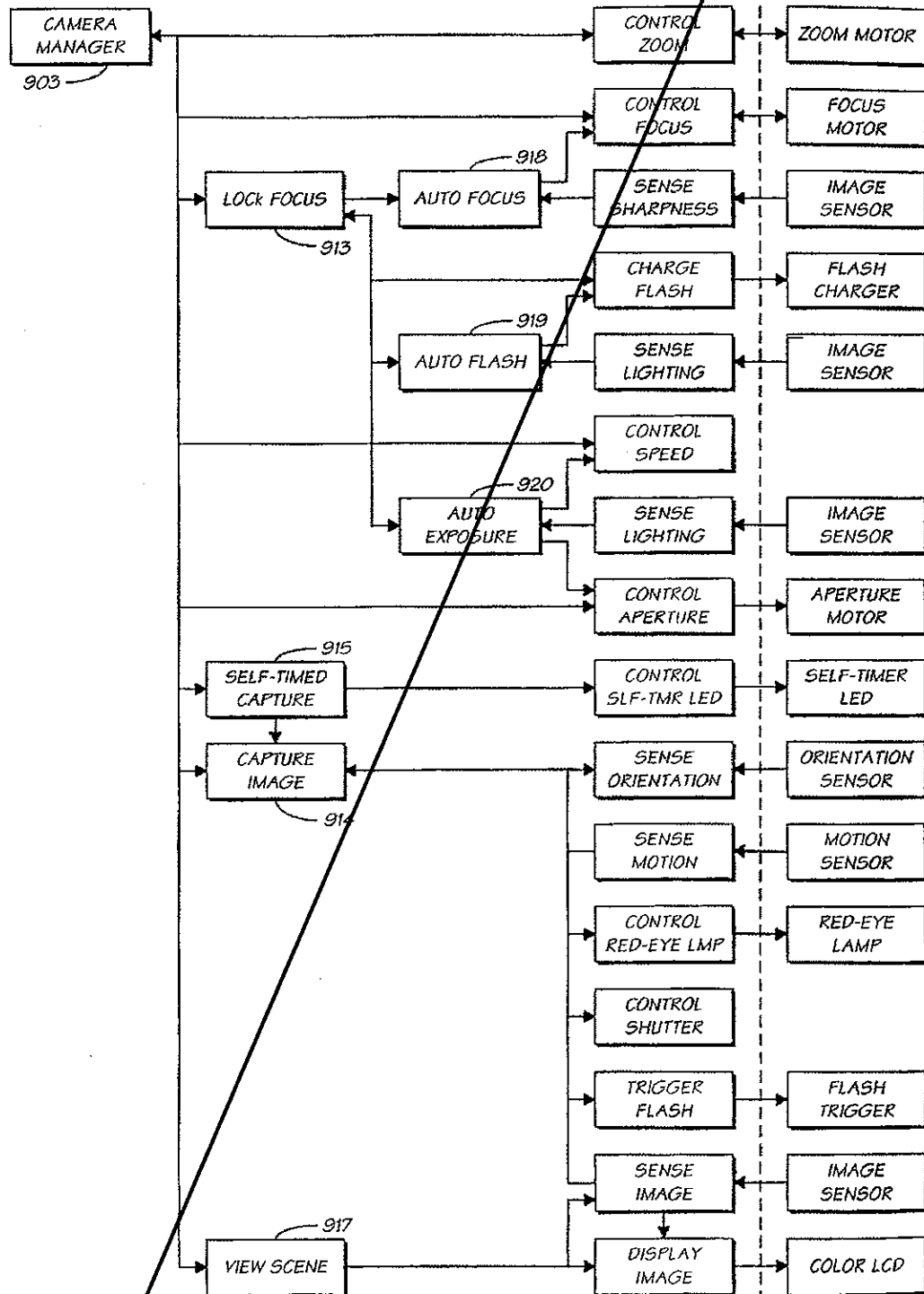
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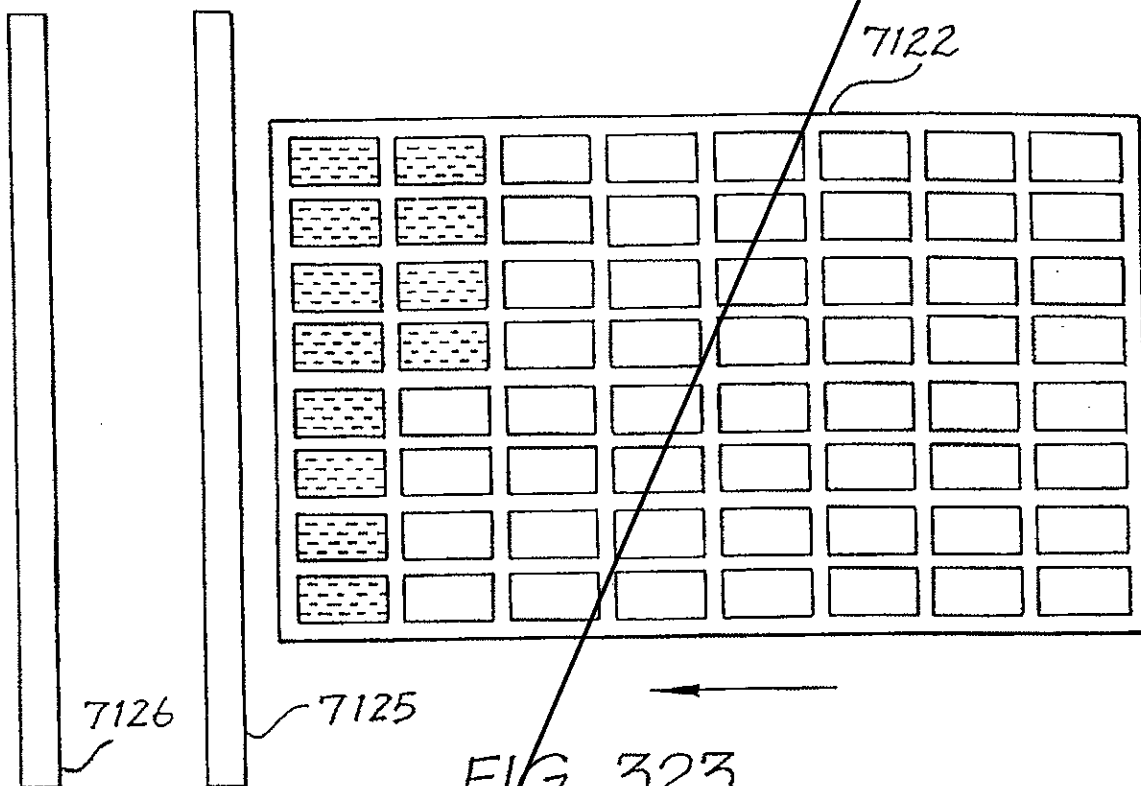
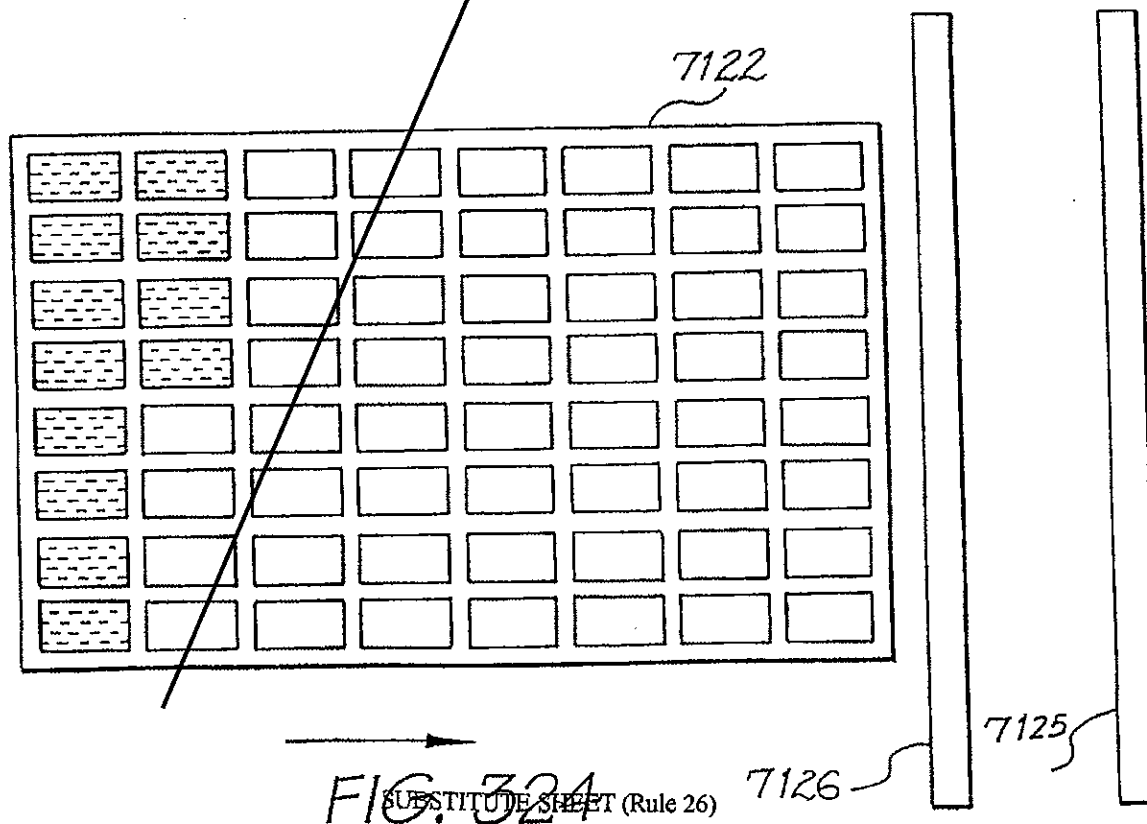
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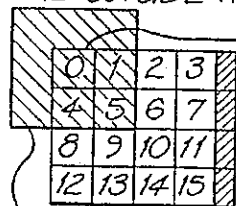
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A 3x3 BOX VIEW TRAVERSES THE PIXELS IN ORDER: 0,1,2,3,4,5,6,7,8 ETC,
PLACING A 3x3 BOX CENTERED OVER EACH PIXEL...

3x3 BOX VIEW OF FIRST PIXEL IN IMAGE = 9 PIXELS, 5 OF WHICH ARE OUTSIDE THE IMAGE



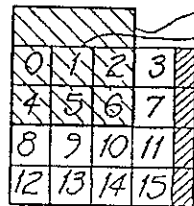
150

FIRST 9 PIXELS FROM THE
BOX READ ITERATOR:

IF DUPLICATION OF EDGE PIXELS IS ON:
0,0,0,0,0,1,4,4,5

IF DUPLICATION OF EDGE PIXELS IS OFF:
V,V,V,V,0,1,V,4,5
WHERE V IS CONSTANT
"OUTSIDE IMAGE" PIXEL VALUE

3x3 BOX VIEW OF SECOND PIXEL IN
IMAGE = 9 PIXELS, 3 OF WHICH
ARE OUTSIDE THE IMAGE



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SECOND 9 PIXELS FROM THE
BOX READ ITERATOR:

IF DUPLICATION OF EDGE PIXELS IS ON:
0,1,2,0,1,2,4,5,6

IF DUPLICATION OF EDGE PIXELS IS OFF:
V,V,0,1,2,4,5,6
WHERE V IS CONSTANT
"OUTSIDE IMAGE" PIXEL VALUE

FIG. 19

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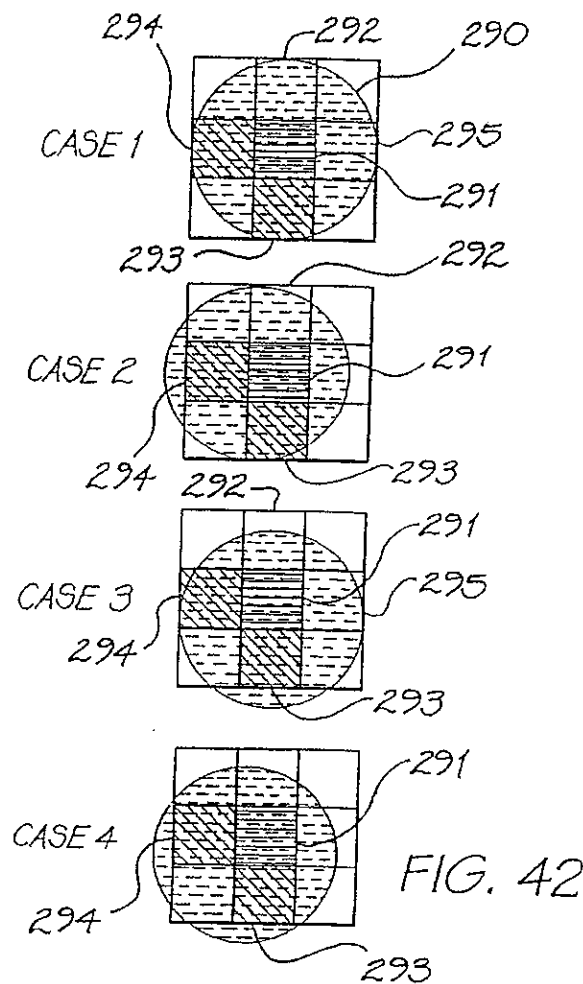
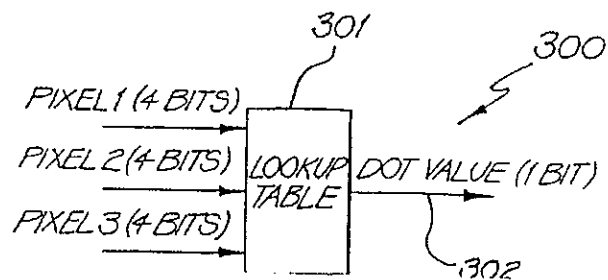


FIG. 43

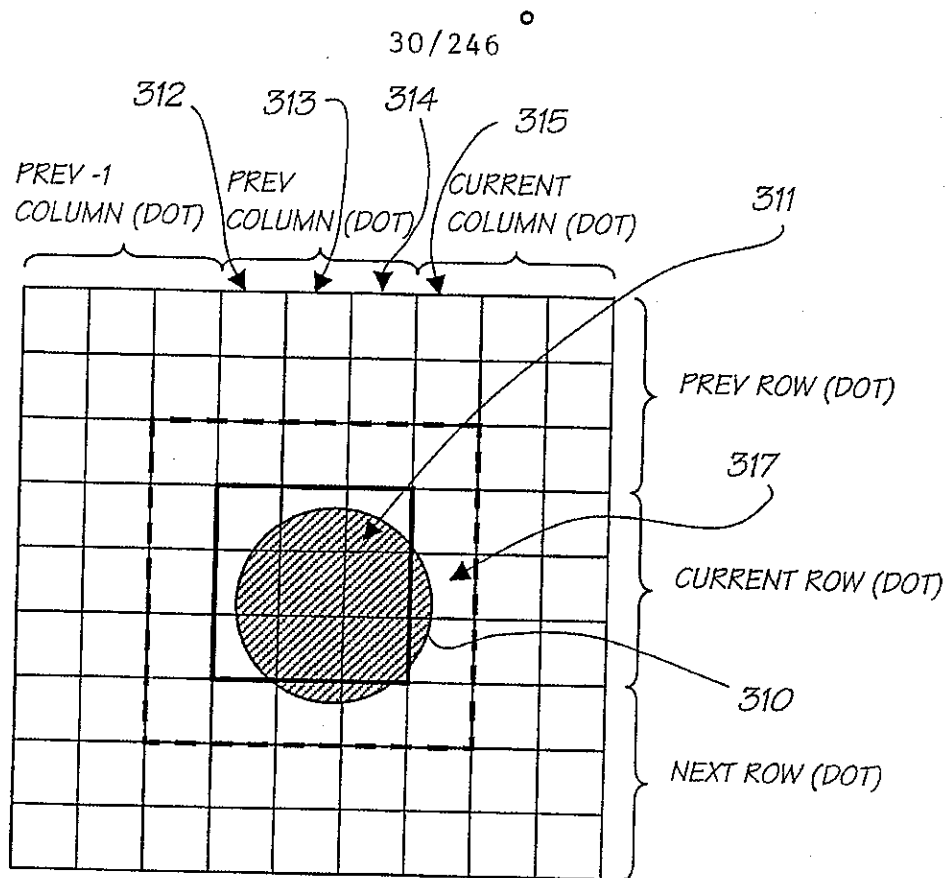


FIG. 44

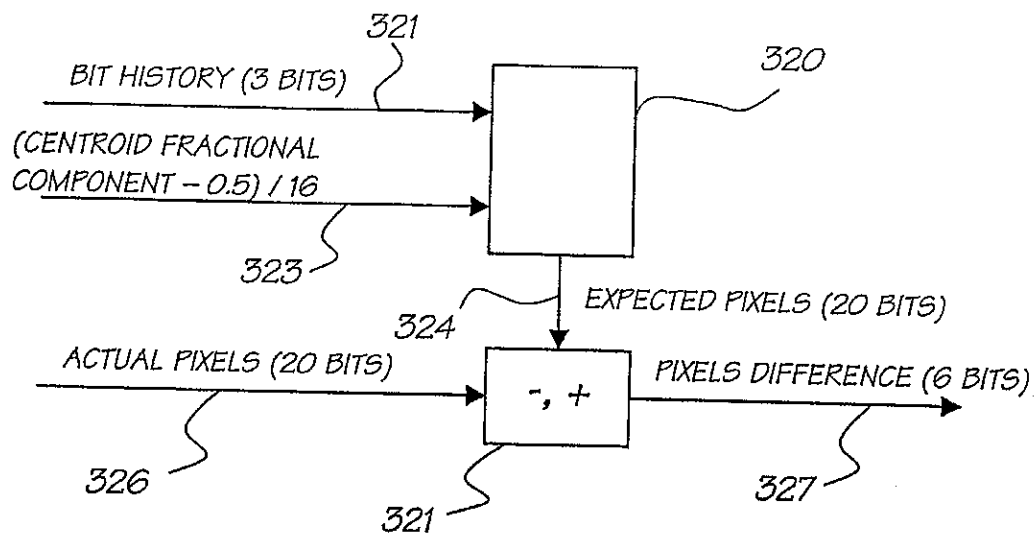


FIG. 45

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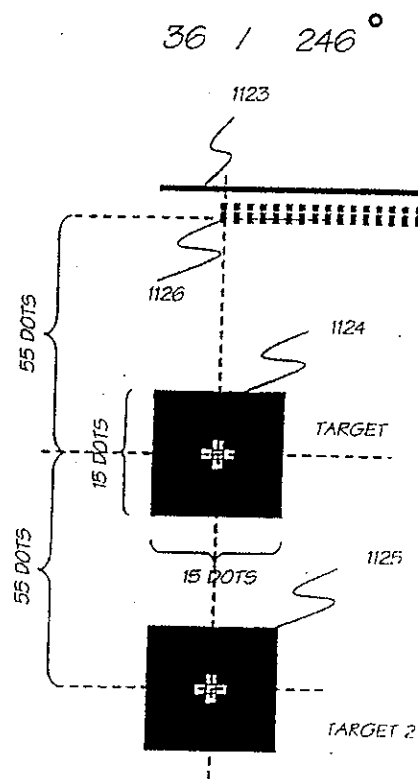


FIG. 55

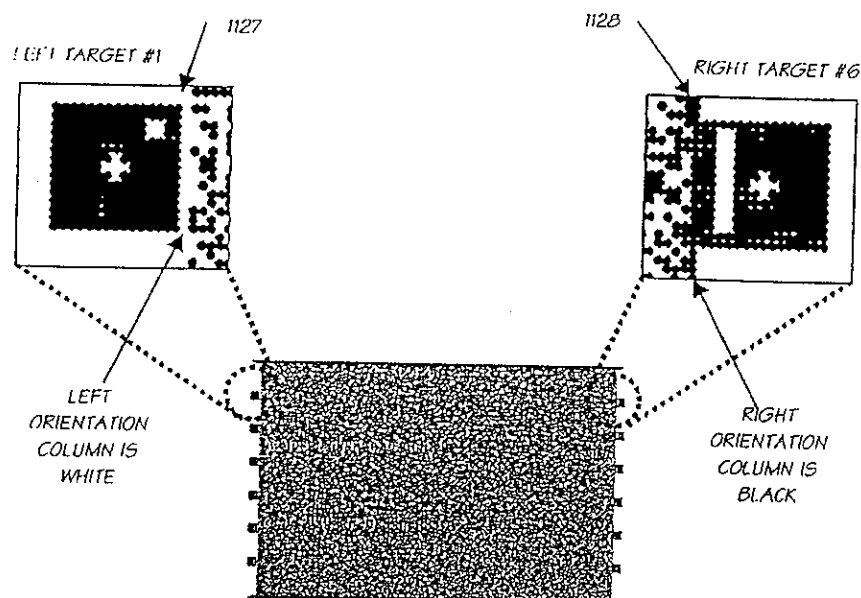


FIG. 56

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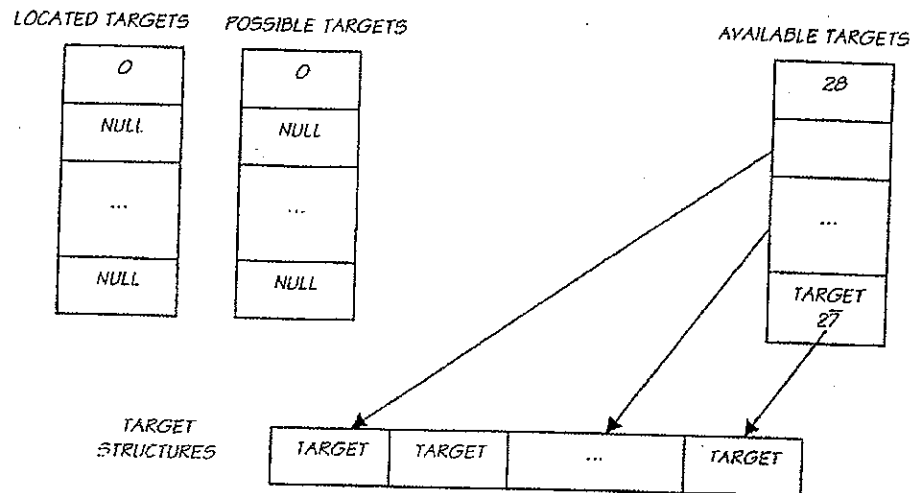


FIG. 75

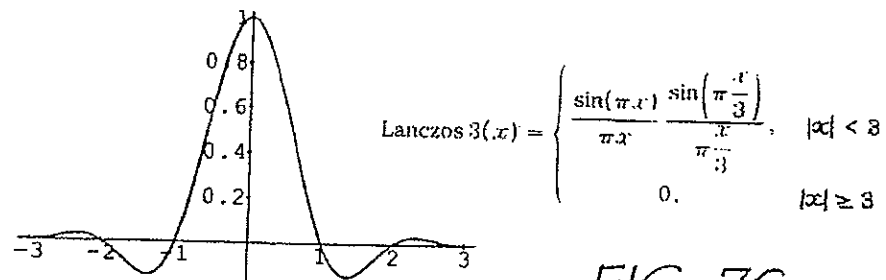


FIG. 76

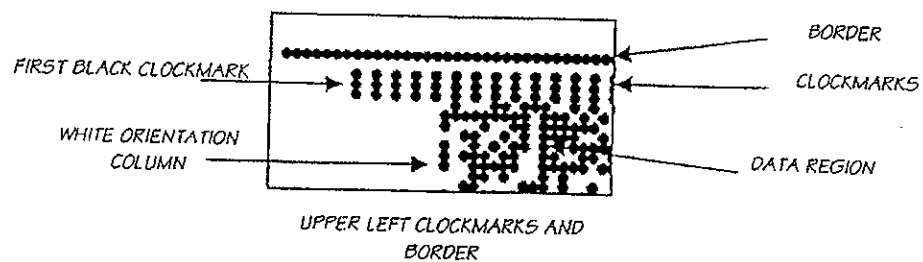


FIG. 77

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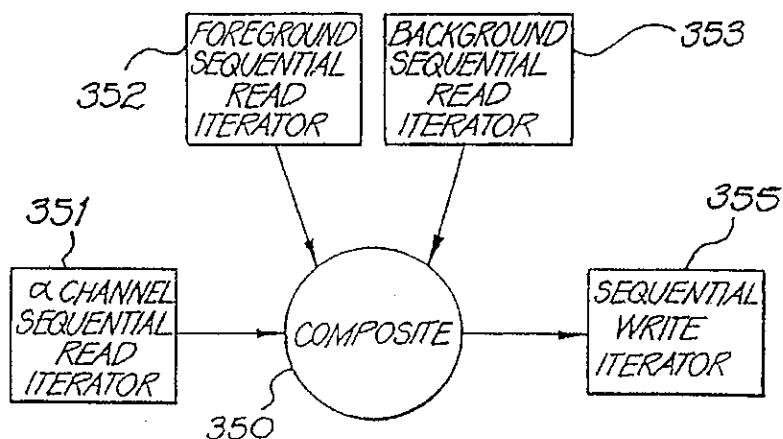


FIG. 83

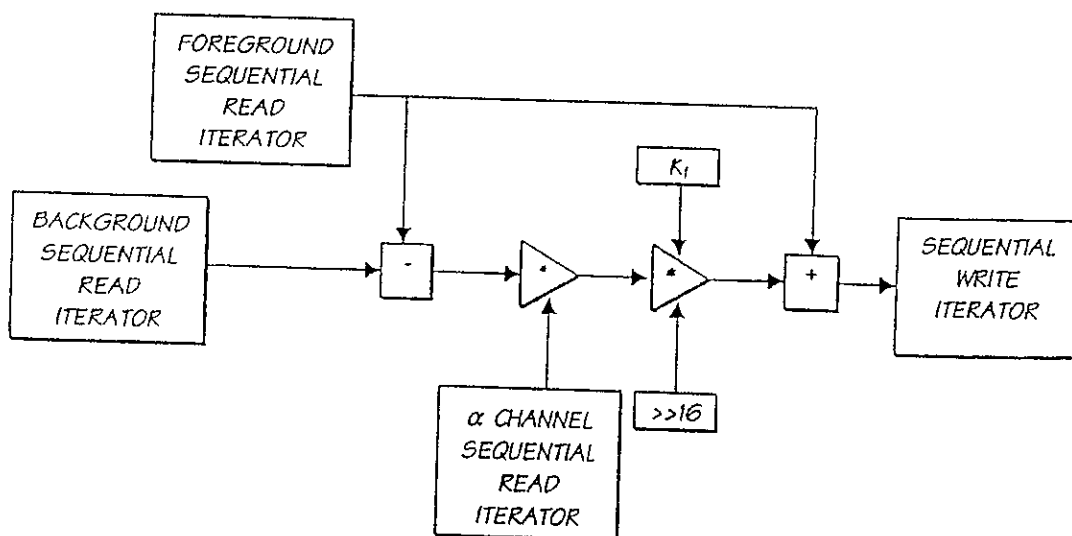
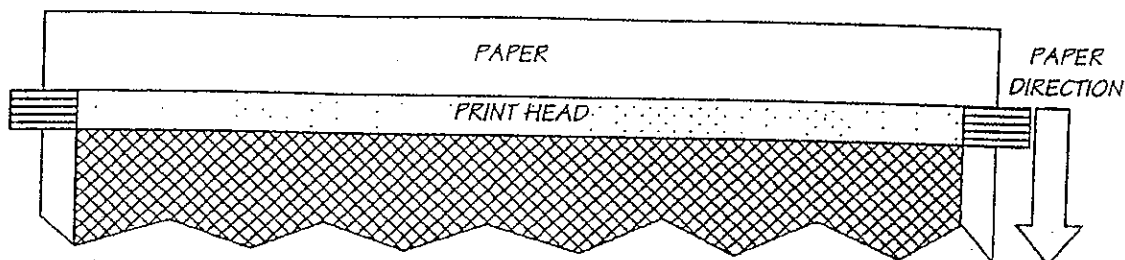


FIG. 84

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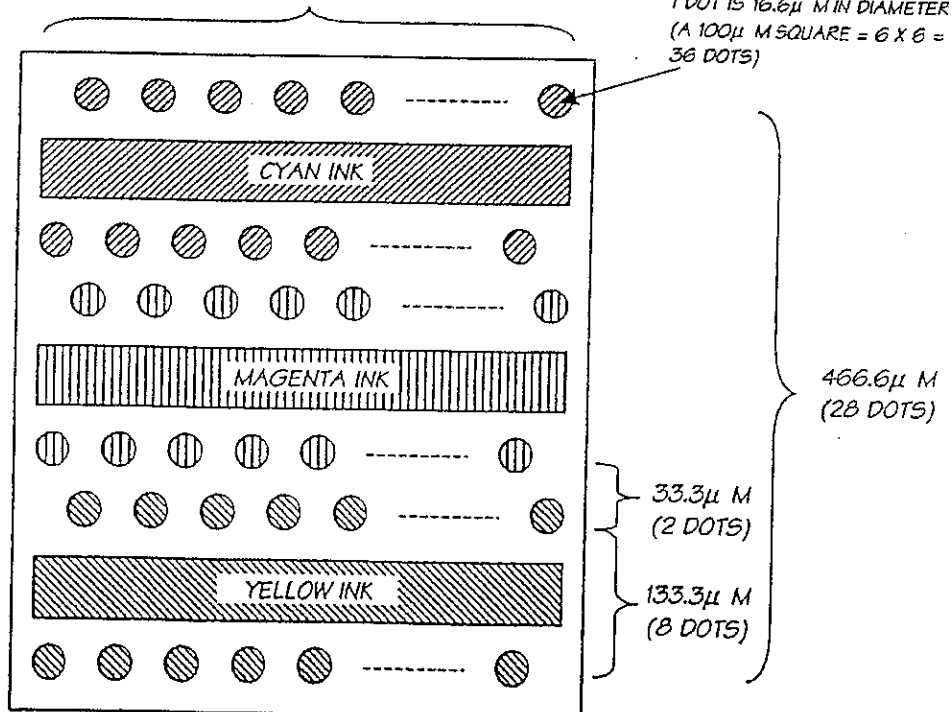
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8 PRINT HEAD SEGMENTS IN PRINT HEAD

SEGMENT 0	SEGMENT 1	SEGMENT 2	SEGMENT 3	SEGMENT 4	SEGMENT 5	SEGMENT 6	SEGMENT 7
-----------	-----------	-----------	-----------	-----------	-----------	-----------	-----------

1250 μ M
(375 DOTS PER SEGMENT ROW, OR 750 DOTS PER SEGMENT)



EACH SEGMENT CONTAINS 6 ROWS OF DOTS. ODD AND EVEN

FIG. 153

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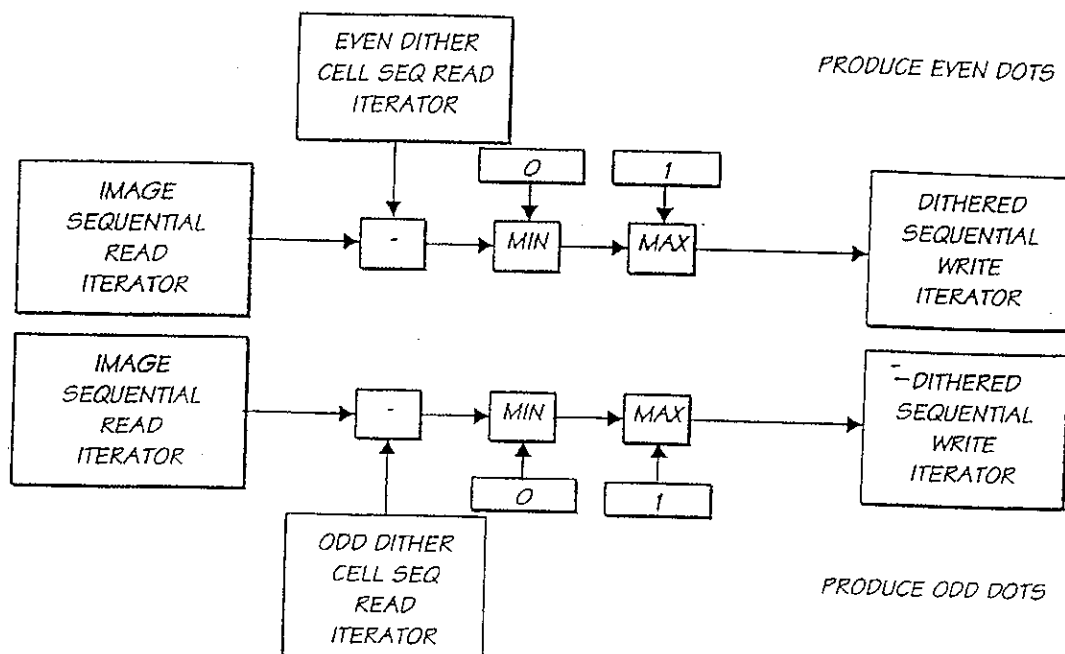


FIG. 157

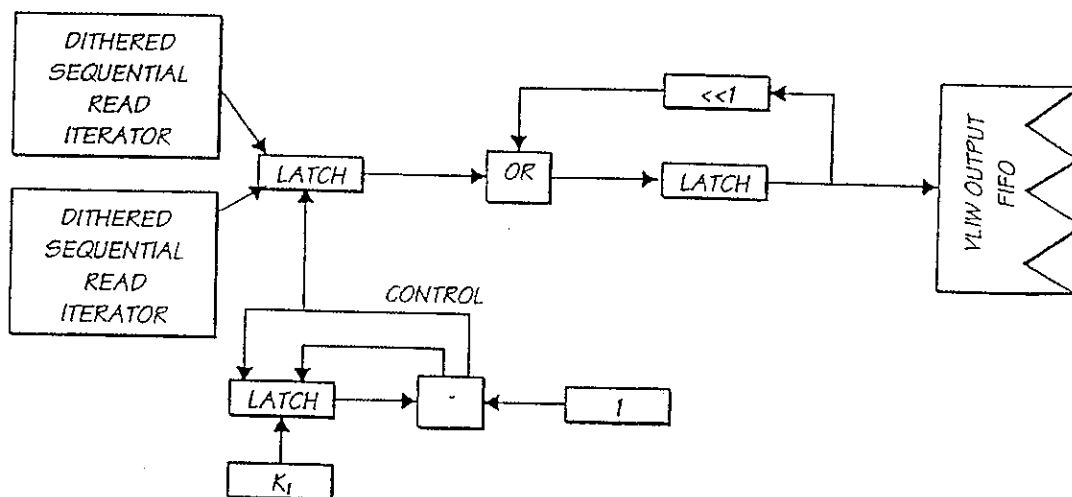


FIG. 158

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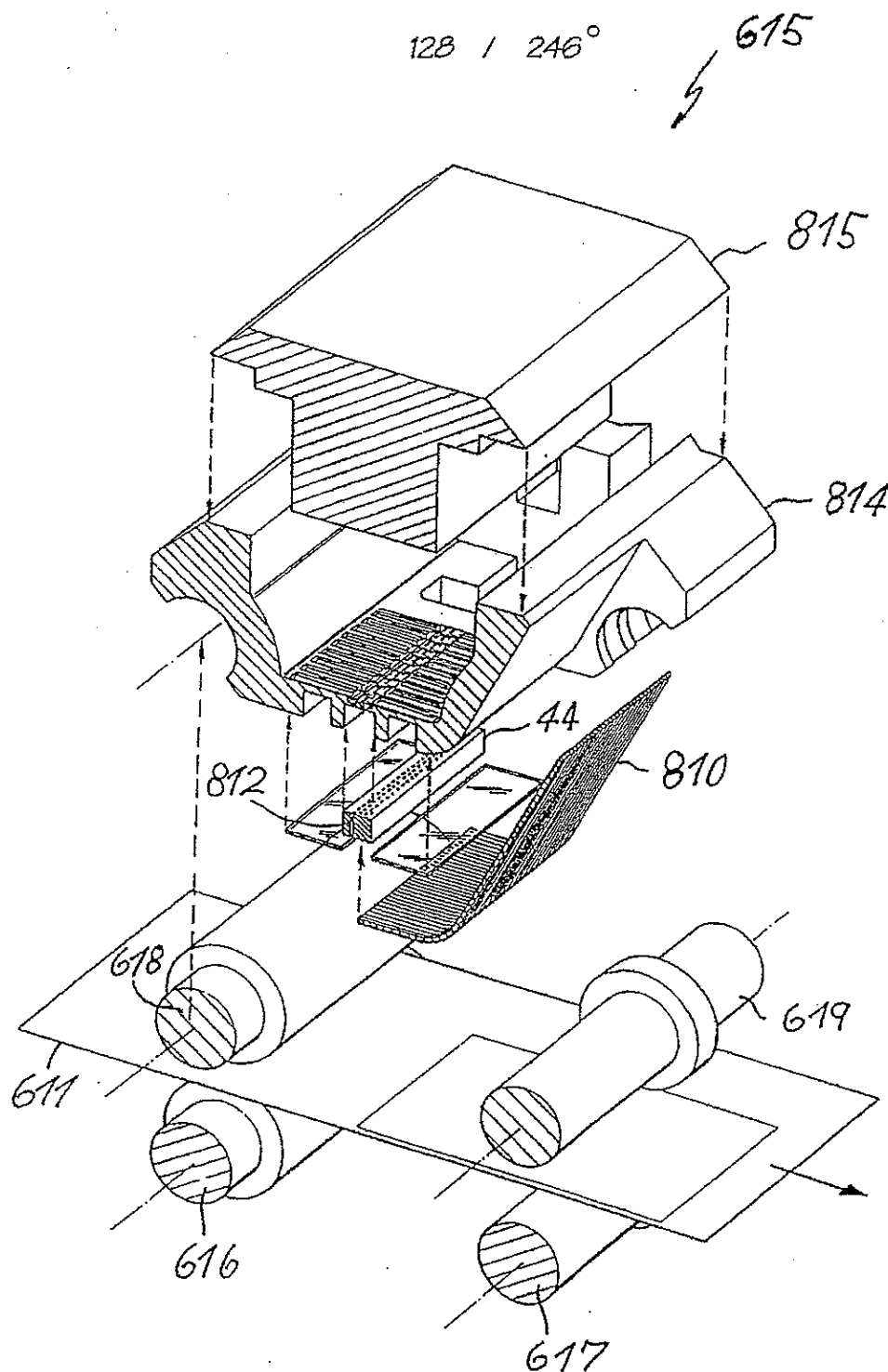


FIG. 206

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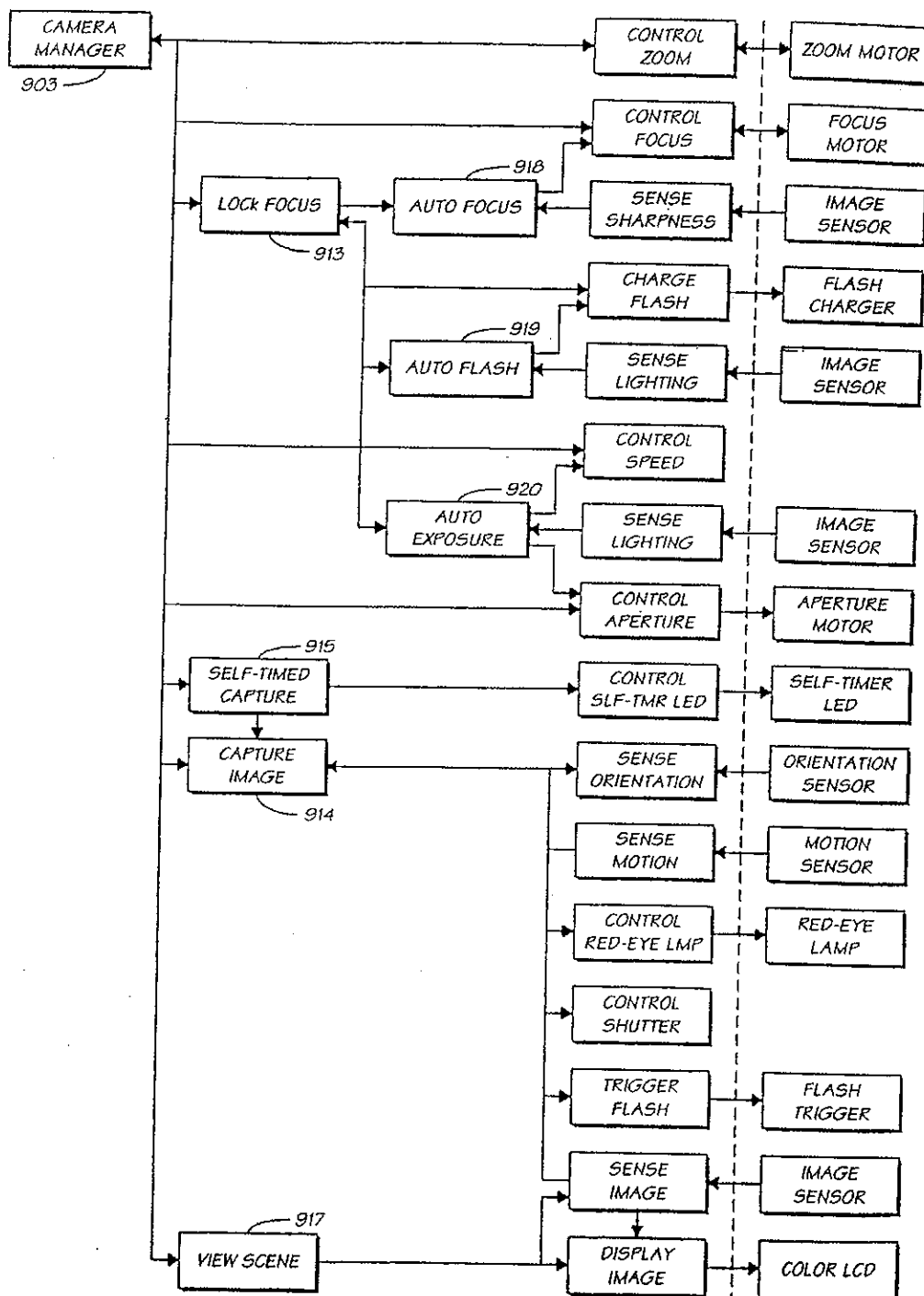


FIG. 222

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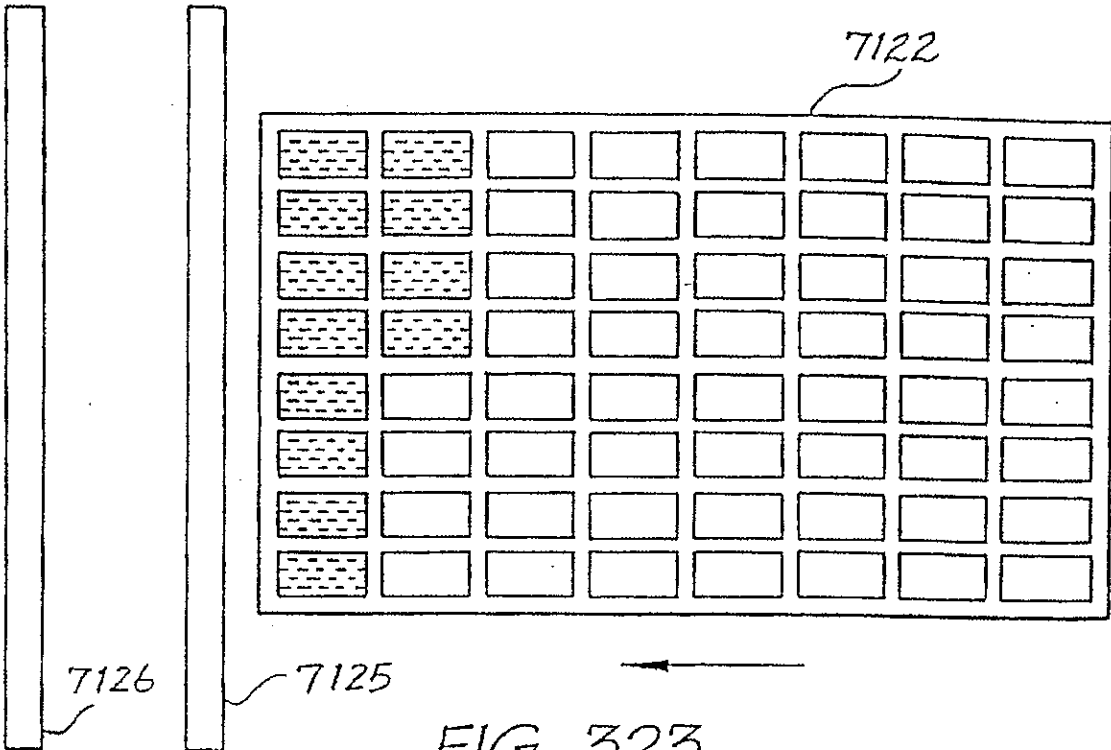


FIG. 323

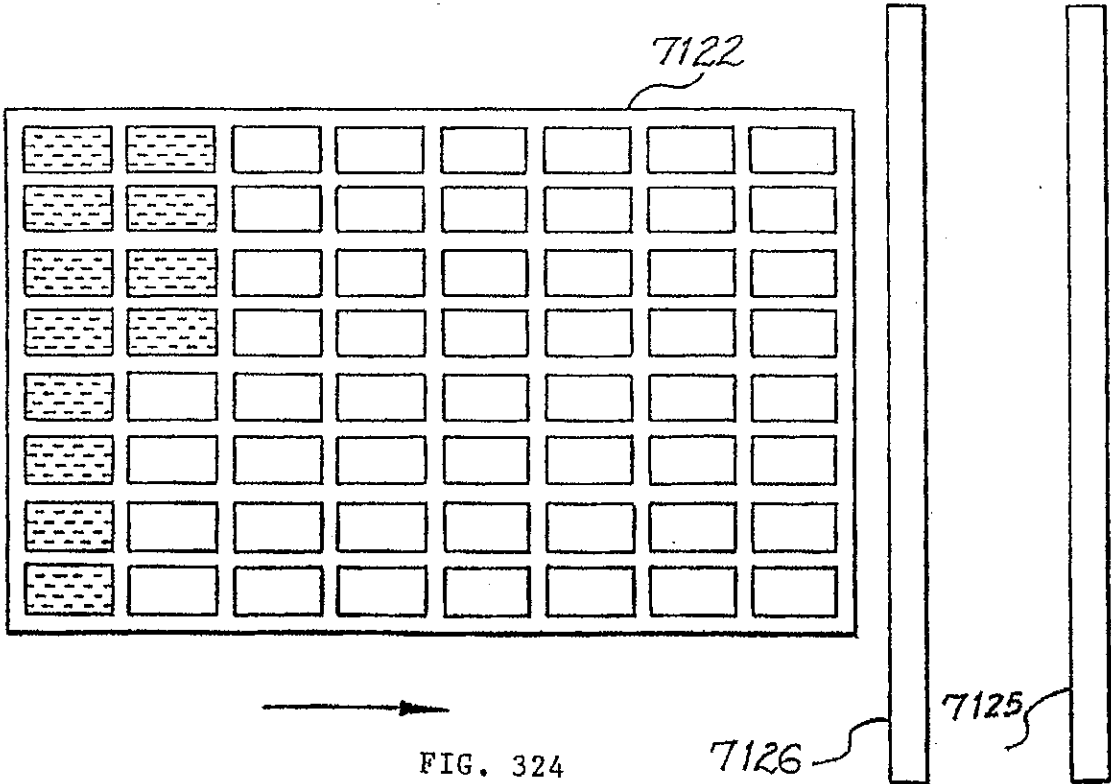


FIG. 324