

WO 2004/109280

PCT/US2004/018155

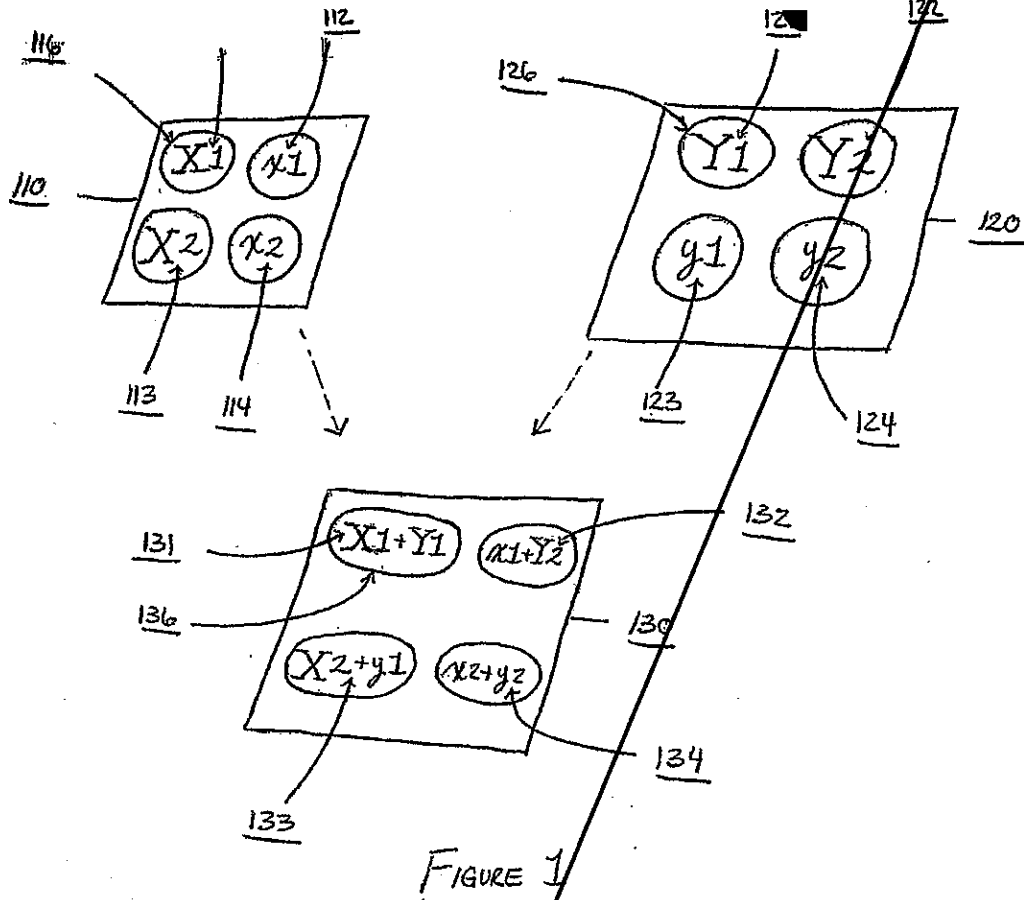


FIGURE 1

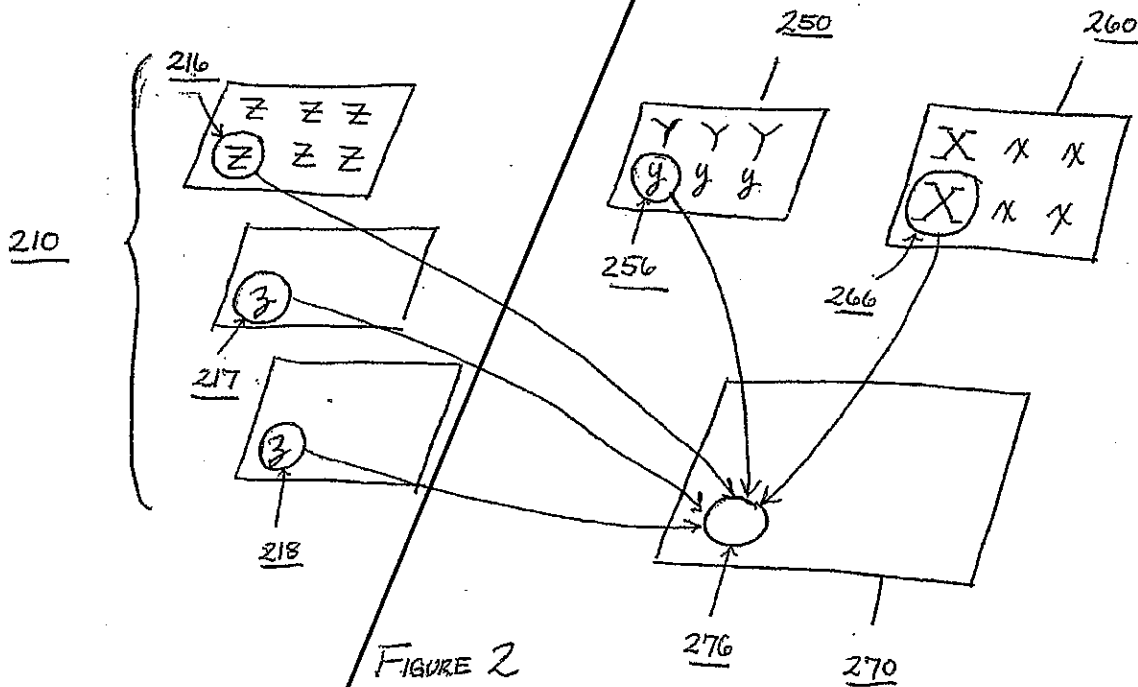
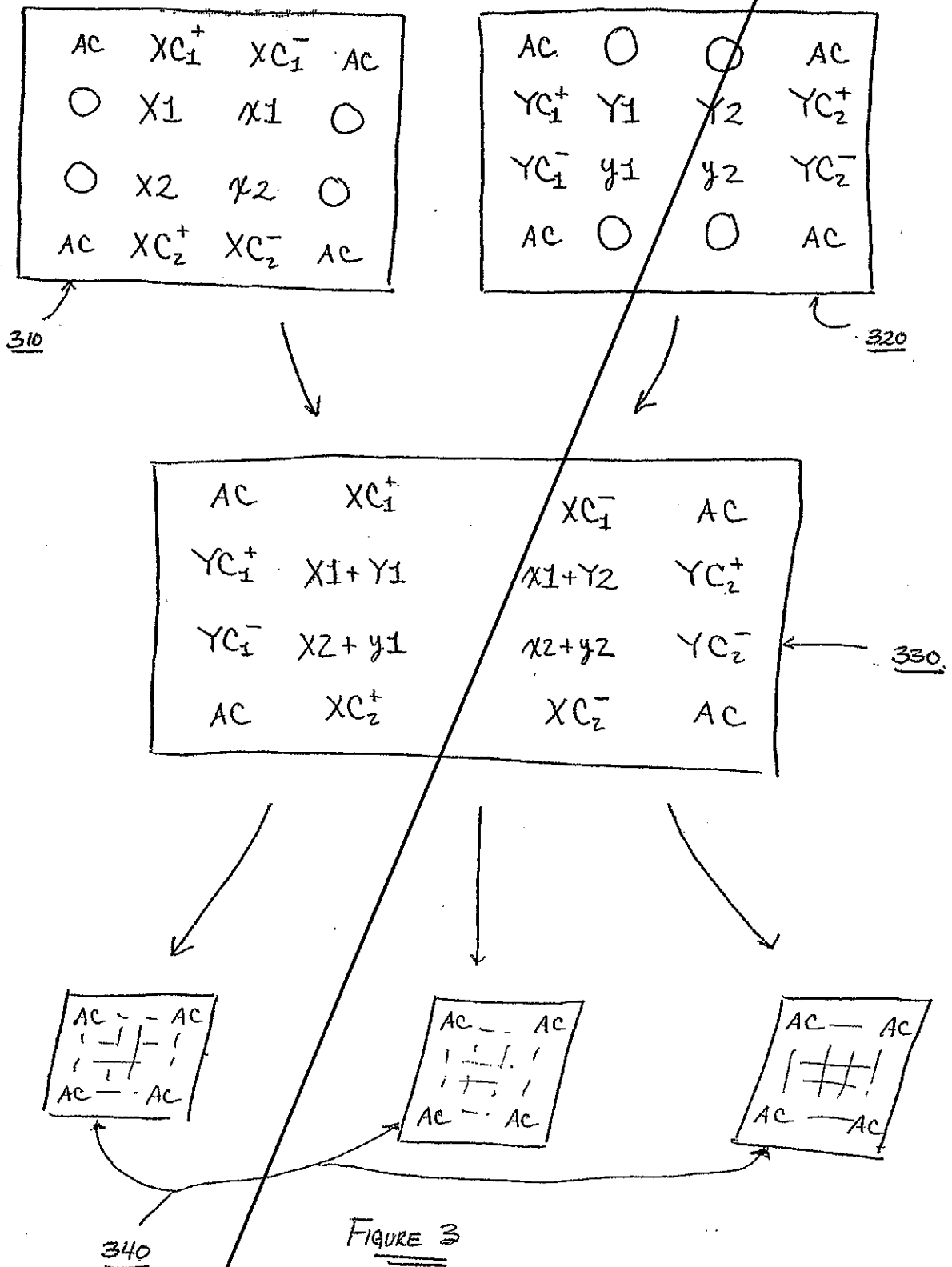


FIGURE 2

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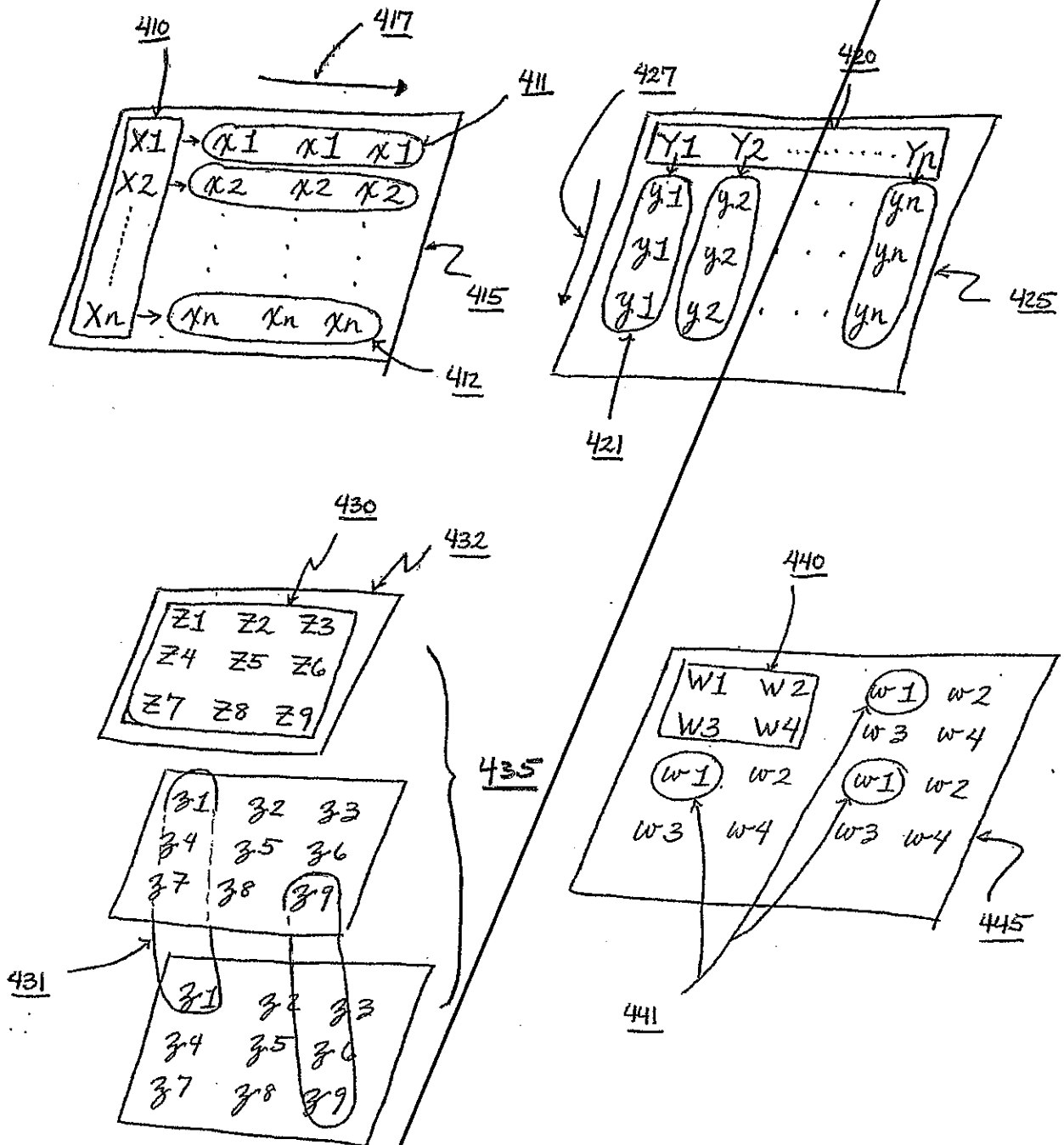


FIGURE 4

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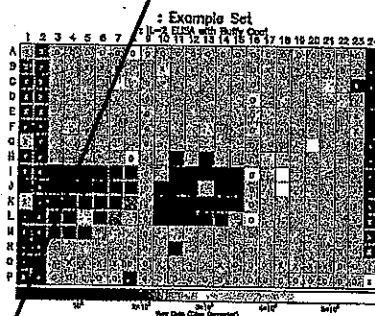
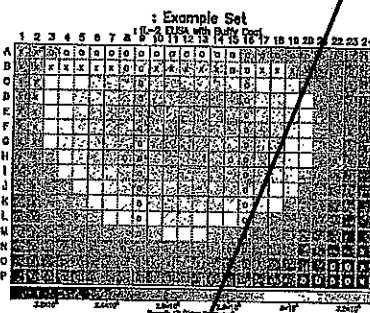
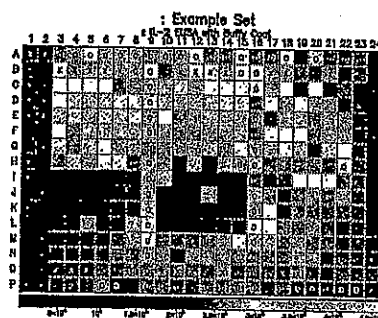


FIGURE 9

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PCT/US2004/018155

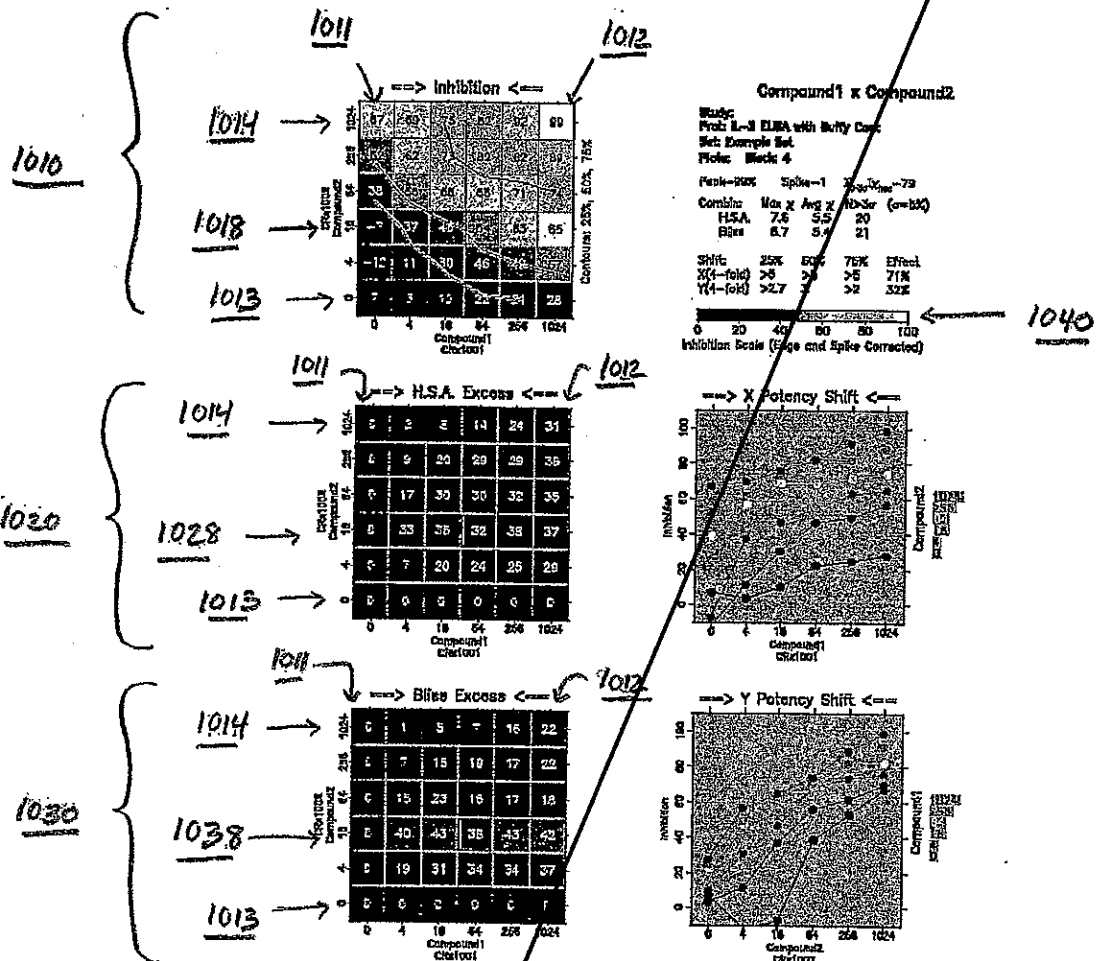


FIGURE 10

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PCT/US2004/018155

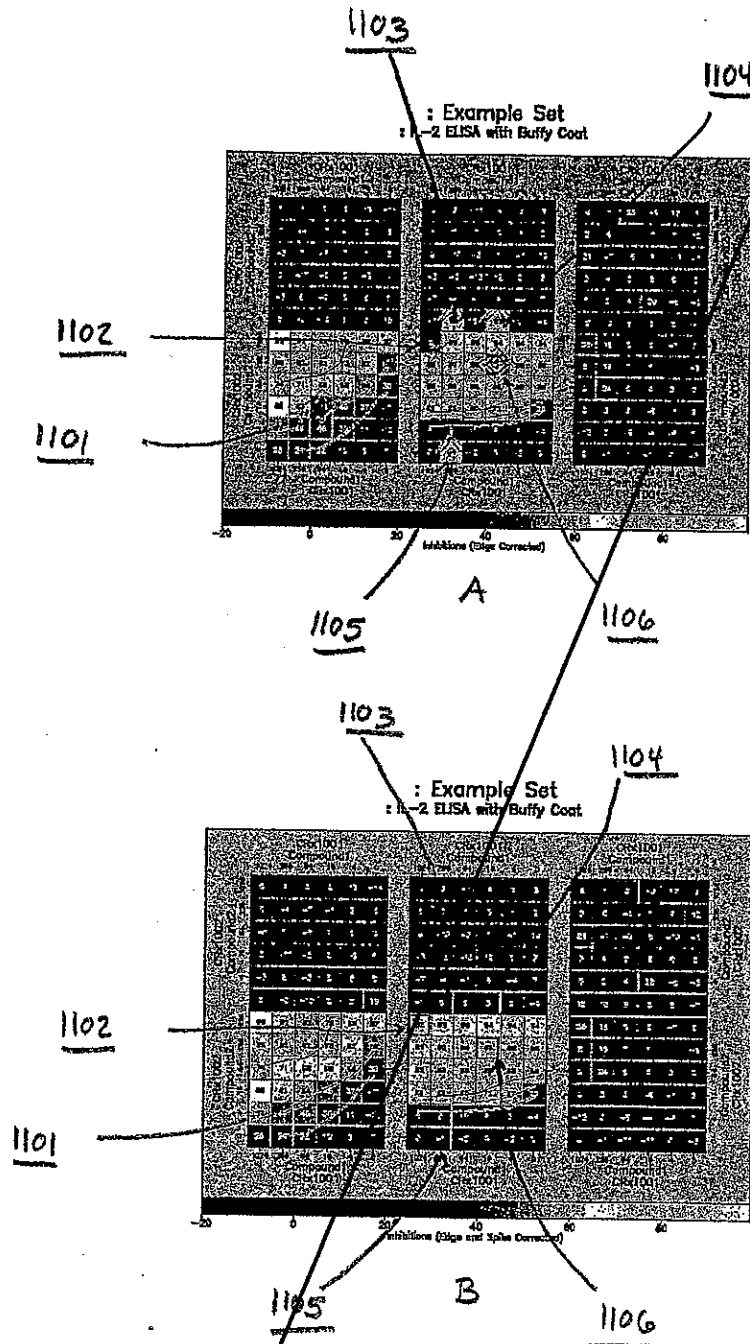


FIGURE 11

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PCT/US2004/018155

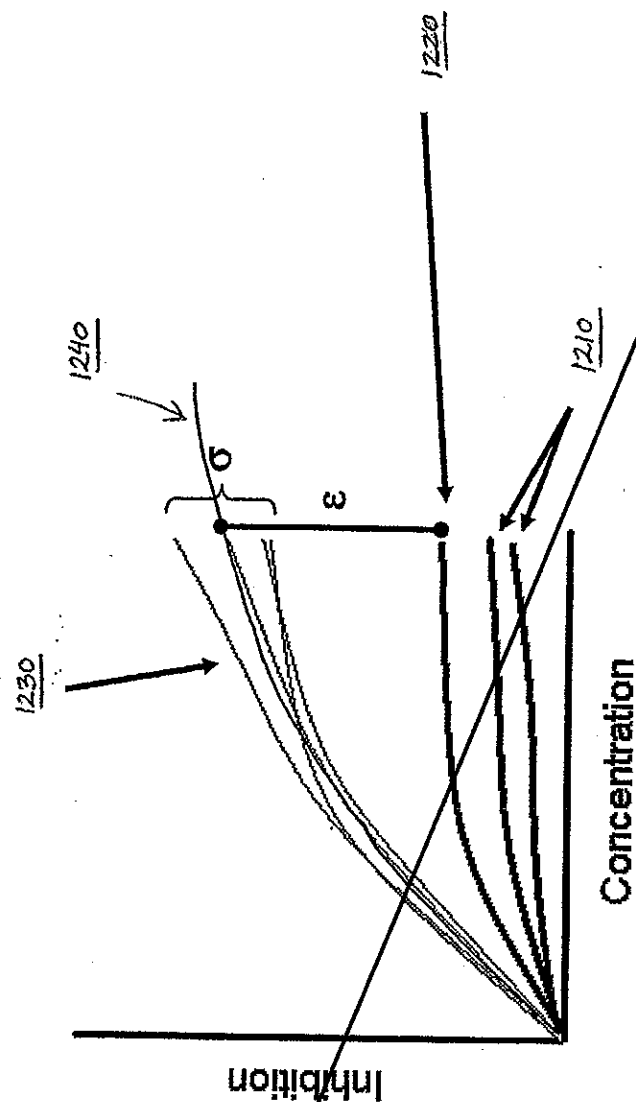


FIGURE 12

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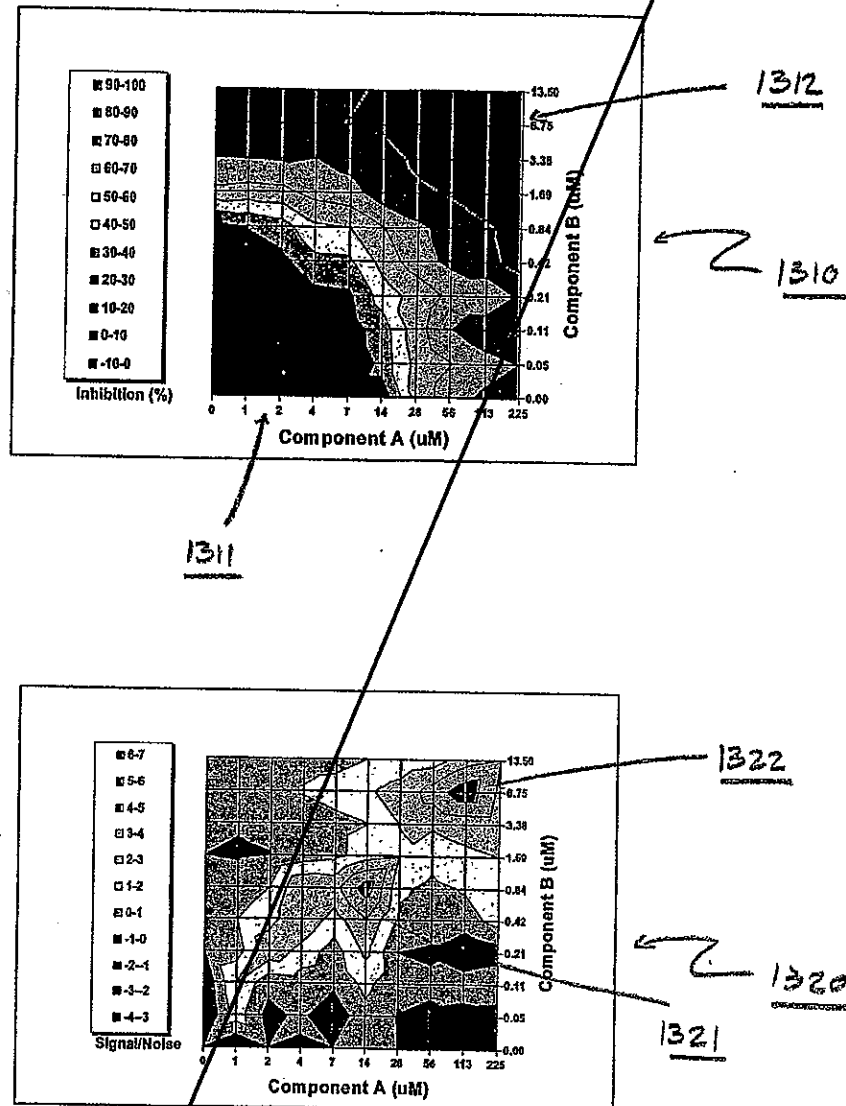
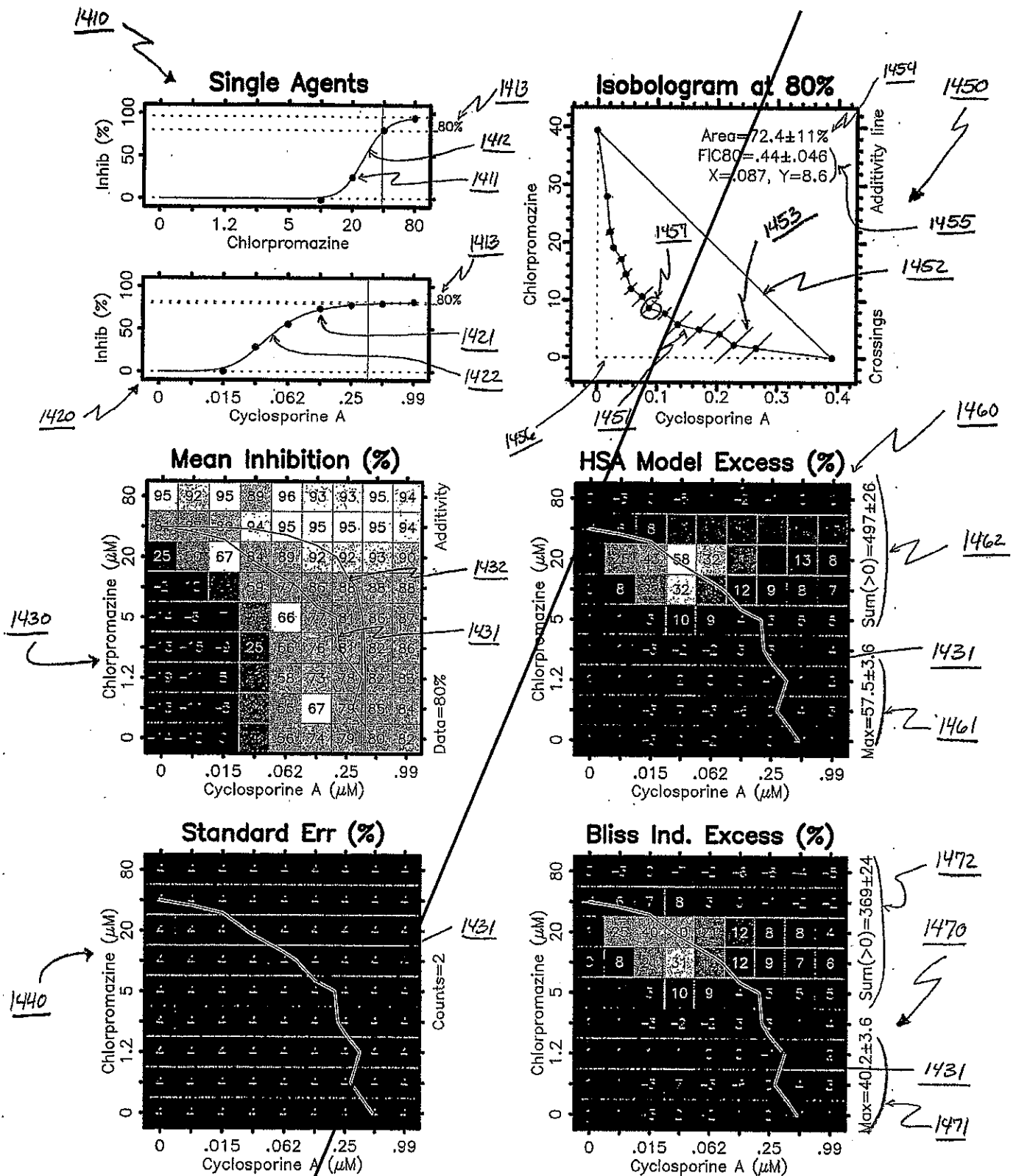


FIGURE 13

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X-Plate Inactive Plate Format

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
A=1																								
B=2																								
C=3																								
D=4																								
E=5																								
F=6																								
G=7																								
H=8																								
I=9																								
J=10																								
K=11																								
L=12																								
M=13																								
N=14																								
O=15																								
P=16																								

2-1510

FIGURE 15

Well Content
Single mixtures on X-plate
Single mixtures on Y-plate
Combined mixtures
X Transfer Controls
Y Transfer Controls
Untreated for use as background

INACTIVE 216 plate format
216 combination wells

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Y plate Inactive Plate Format

A=1	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
B=2	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
C=3	AD	BE	CF	GF	GF	GF	HK	IL	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
D=4	AD	BE	CF	GF	GF	GF	HK	IL	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
E=5	AD	BE	CF	GF	GF	GF	HK	IL	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
F=6	AD	BE	CF	GF	GF	GF	HK	IL	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
G=7	AD	BE	CF	GF	GF	GF	HK	IL	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
H=8	AD	BE	CF	GF	GF	GF	HK	IL	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
I=9	AD	BE	CF	GF	GF	GF	HK	IL	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
J=10	AD	BE	CF	GF	GF	GF	HK	IL	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
K=11	AD	BE	CF	GF	GF	GF	HK	IL	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
L=12	AD	BE	CF	GF	GF	GF	HK	IL	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
M=13	AD	BE	CF	GF	GF	GF	HK	IL	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
N=14	AD	BE	CF	GF	GF	GF	HK	IL	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
O=15	AD	BE	CF	GF	GF	GF	HK	IL	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
P=16	AD	BE	CF	GF	GF	GF	HK	IL	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U

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FIGURE 16

Well Content	
U	Single mixtures on X-plate
U	Single mixtures on Y-plate
U	Combined mixtures
U	X Transfer Controls
U	Y Transfer Controls
U	Untreated for use as background

INACTIVE 216 plate format
216 combination wells

Inactive Plate Format

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
A=1																								
B=2																								
C=3																								
D=4																								
E=5																								
F=6																								
G=7																								
H=8																								
I=9																								
J=10																								
K=11																								
L=12																								
M=13																								
N=14																								
O=15																								
P=16																								

2-1710

Figure 17

Well Content	Well Content
MS	Single mixtures on X-plate
Y	Single mixtures on Y-plate
X	Combined mixtures
X	X Transfer Controls
Y	Y Transfer Controls
U	Untreated for use as background

INACTIVE 216 plate format
216 combination wells

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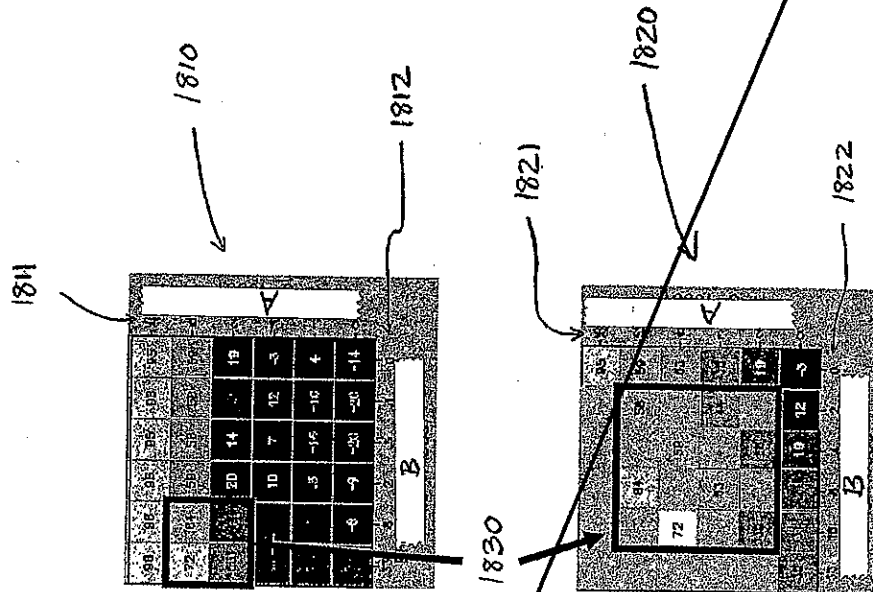


Figure 18A

Figure 18B

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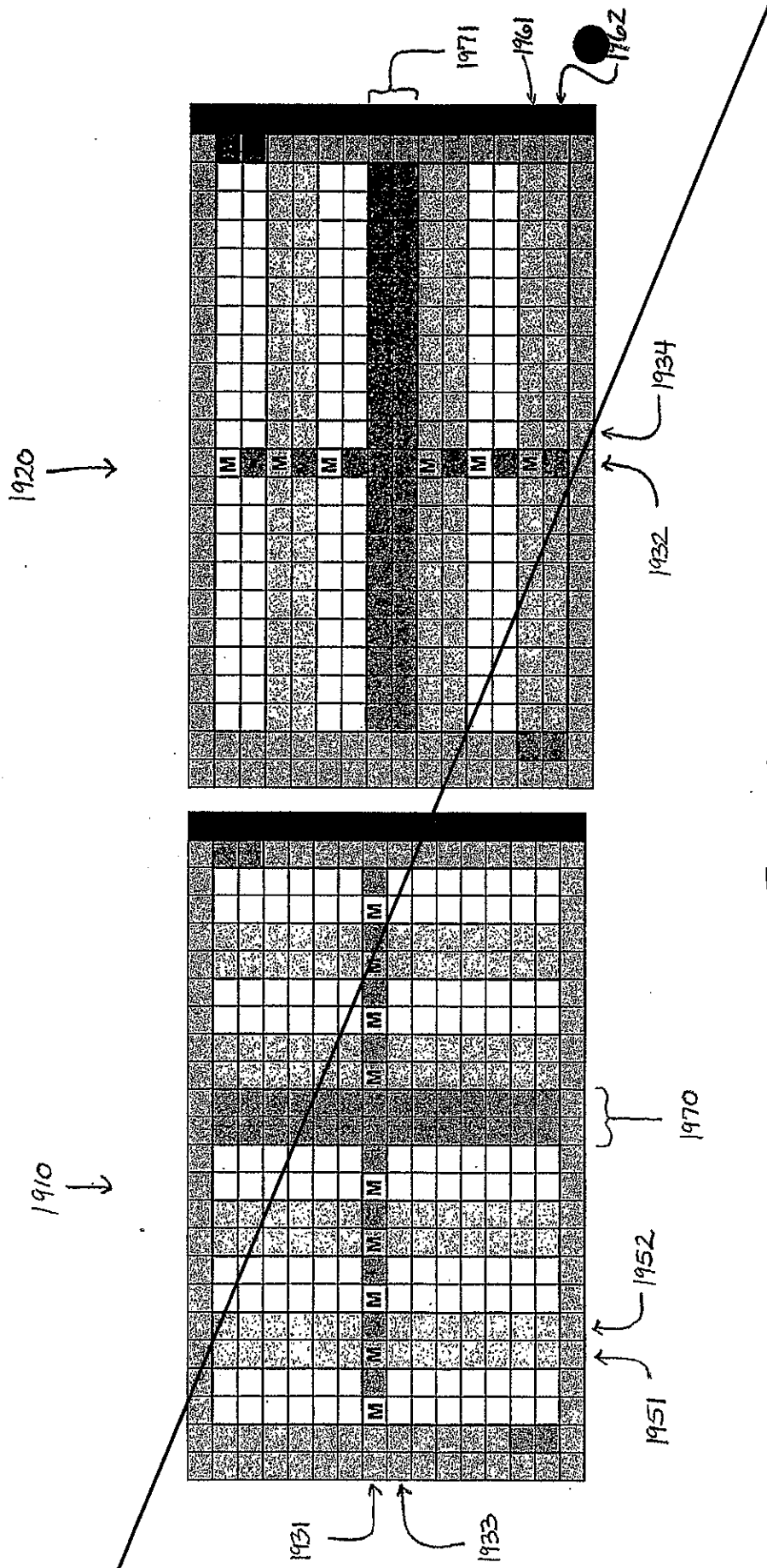
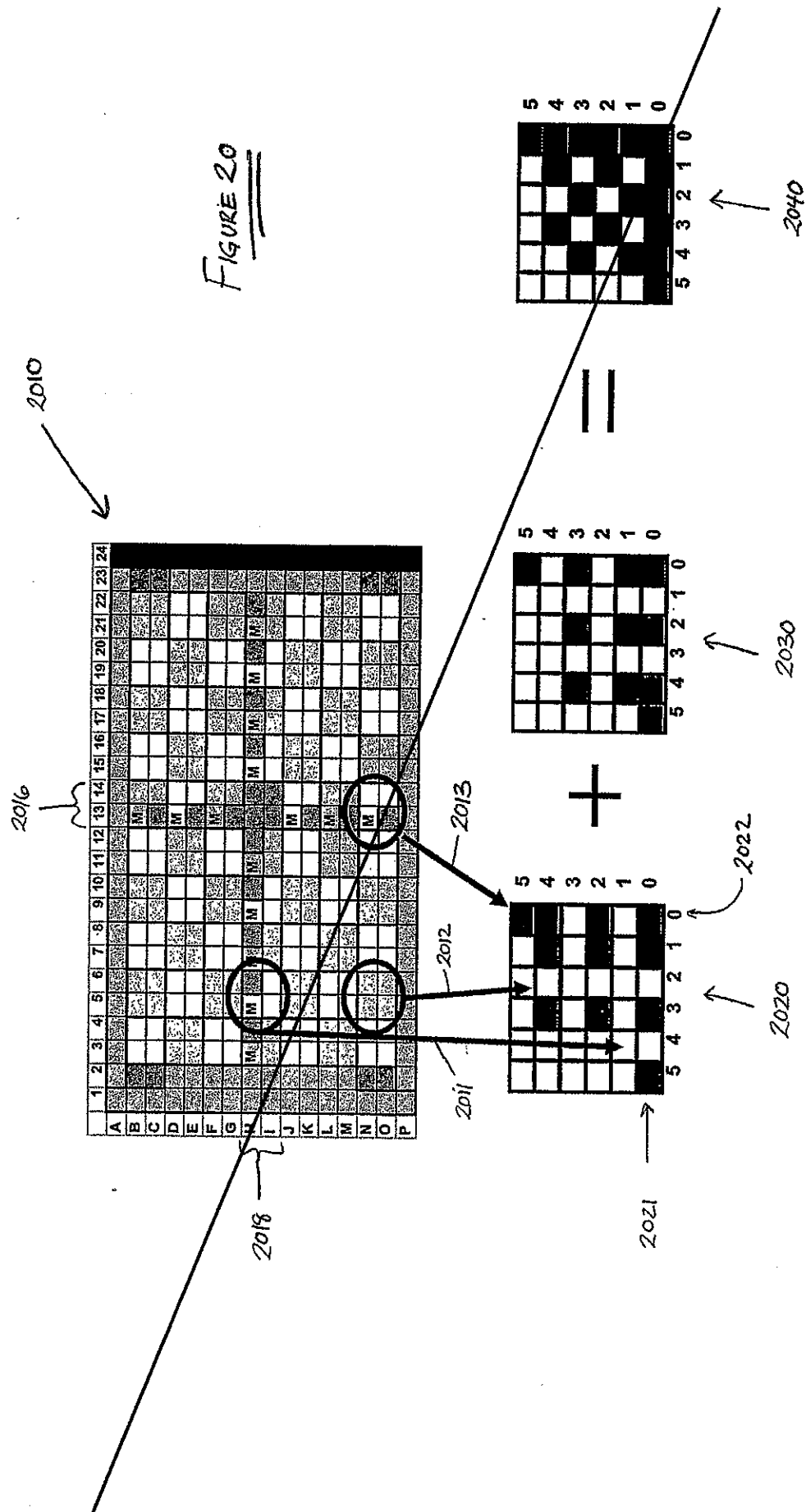


FIGURE 19

FIGURE 20



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PCT/US2004/018155

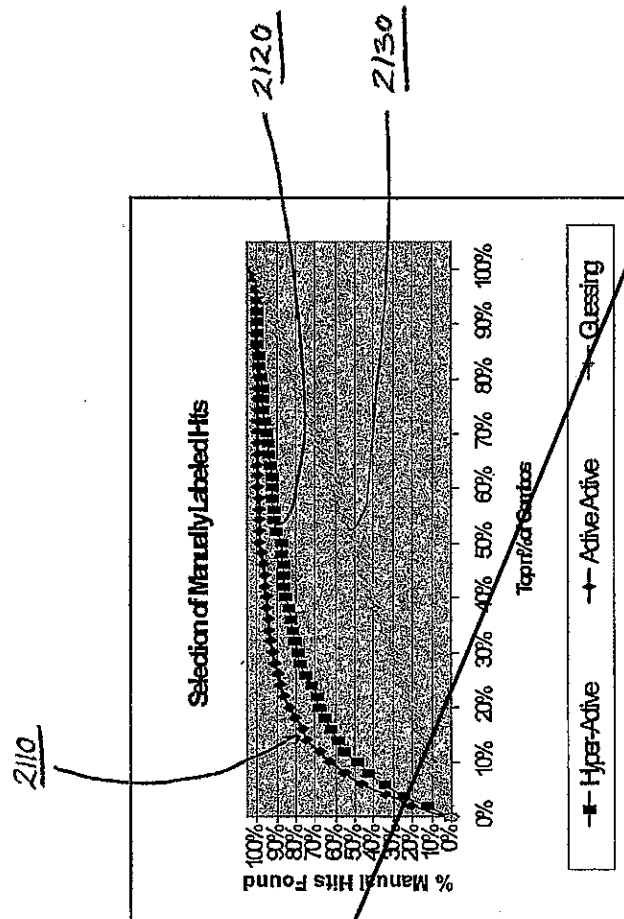


FIGURE 21

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PCT/US2004/018155

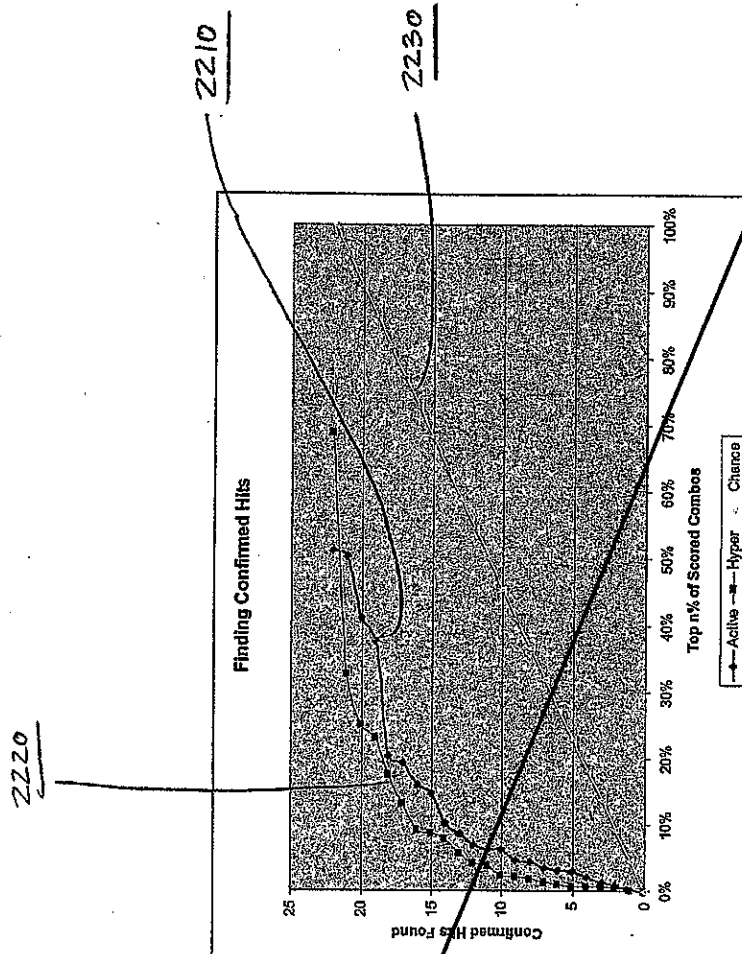


FIGURE 22

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PCT/US2004/018155

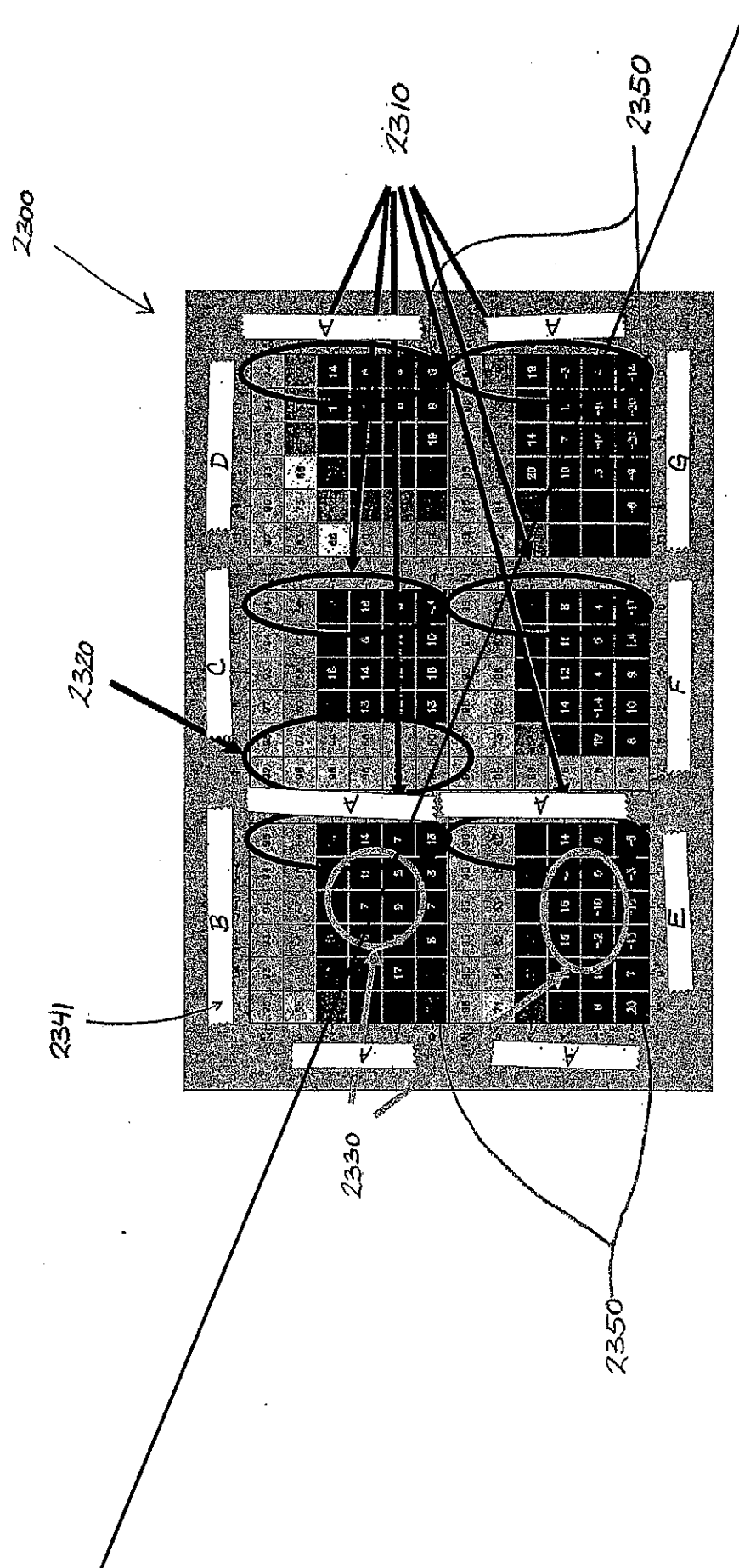
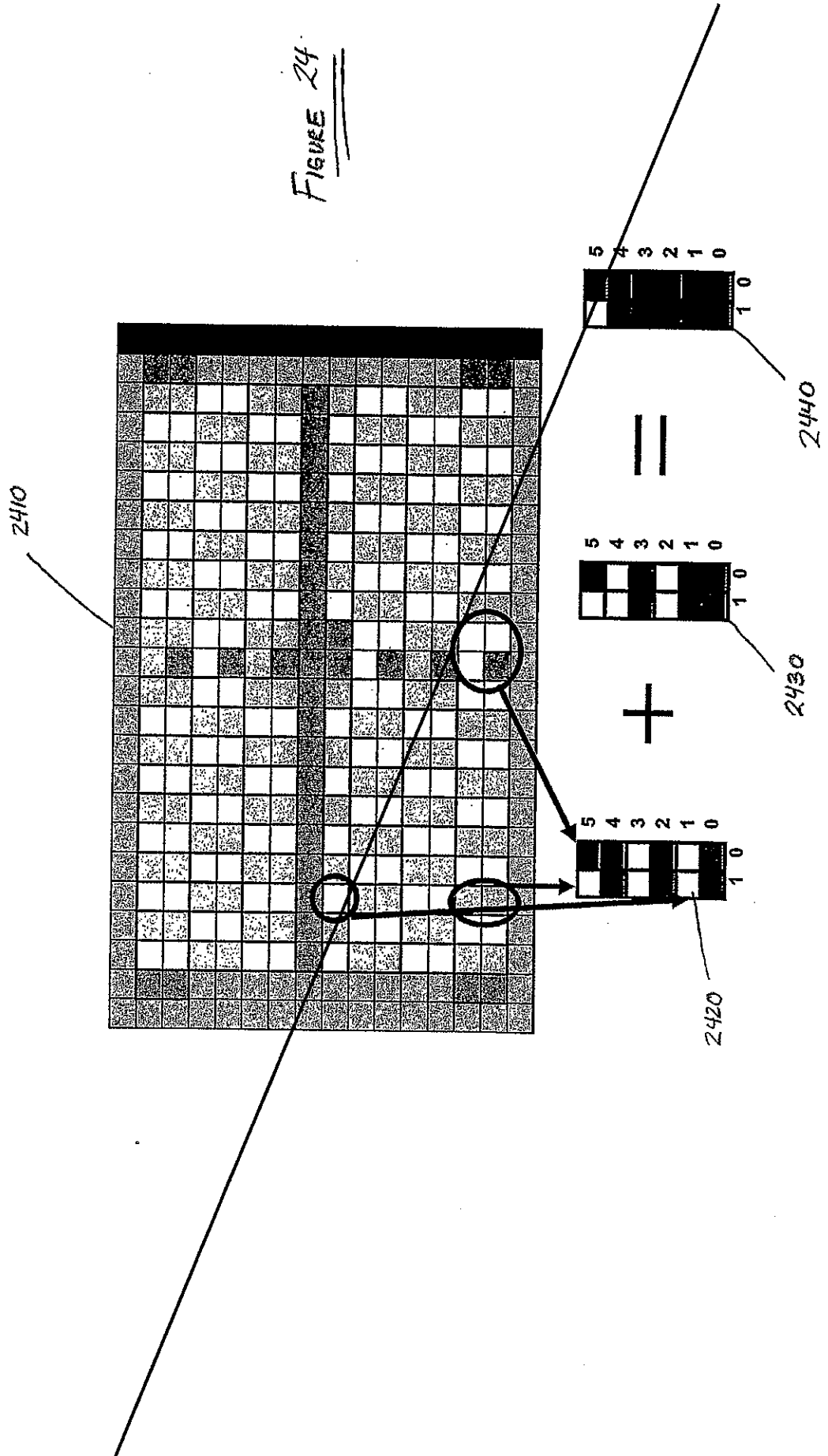


FIGURE 23

FIGURE 24



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PCT/US2004/018155

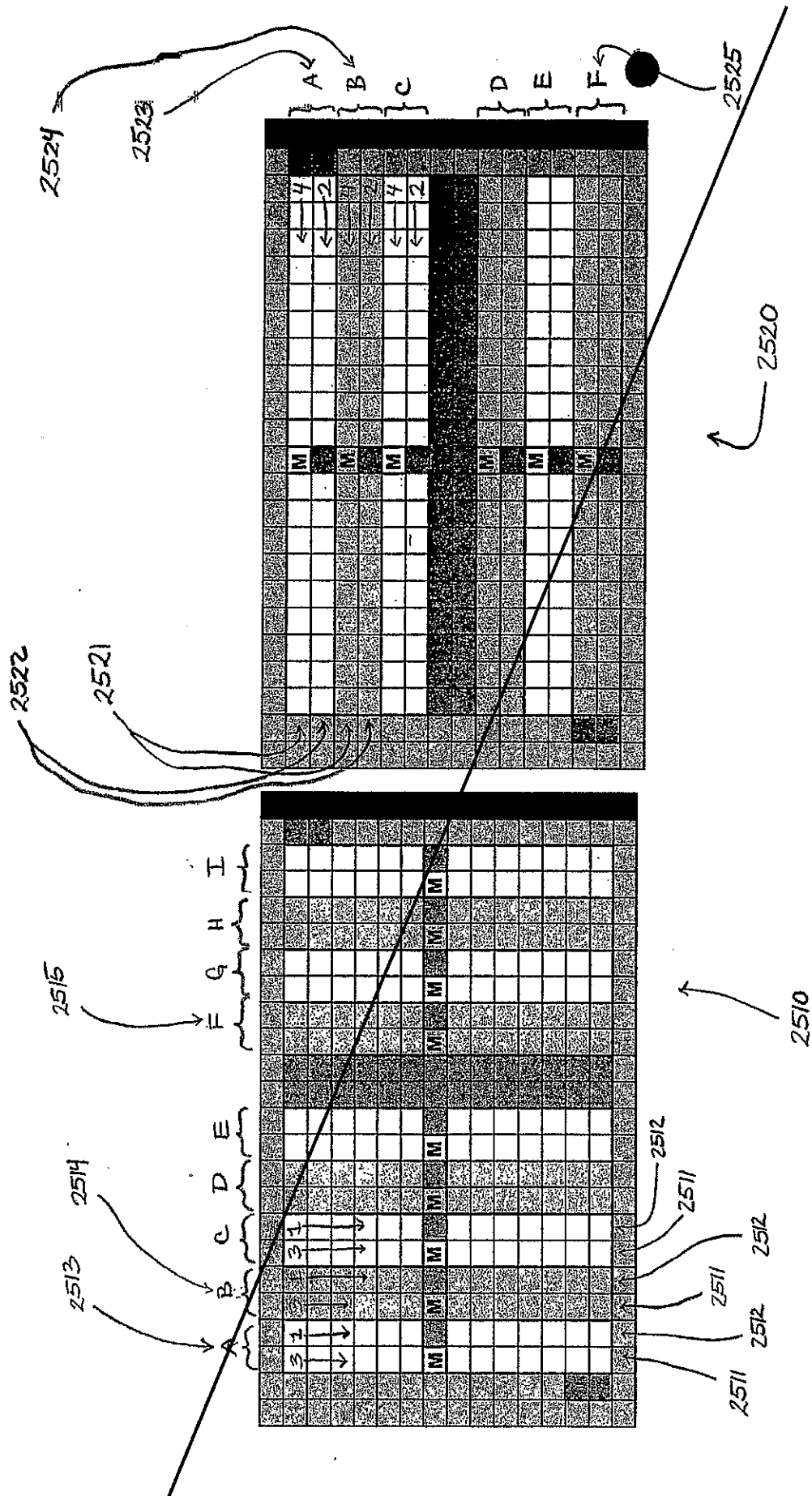
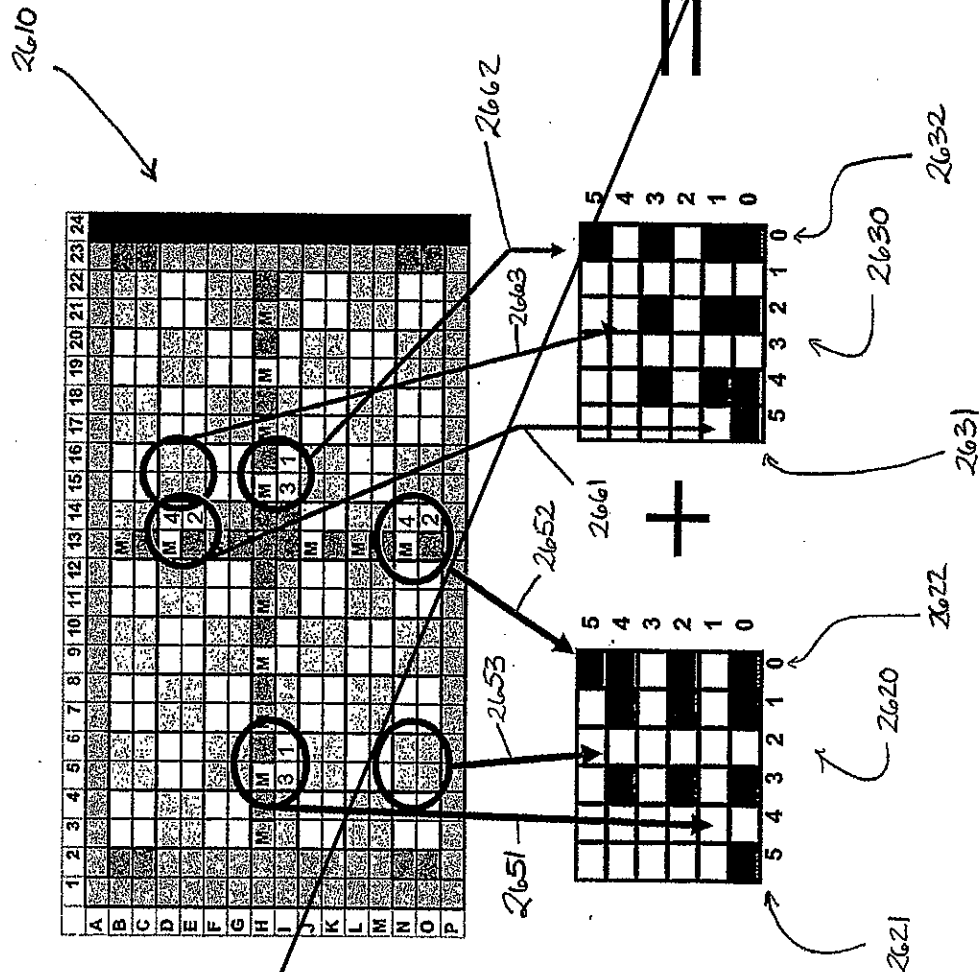


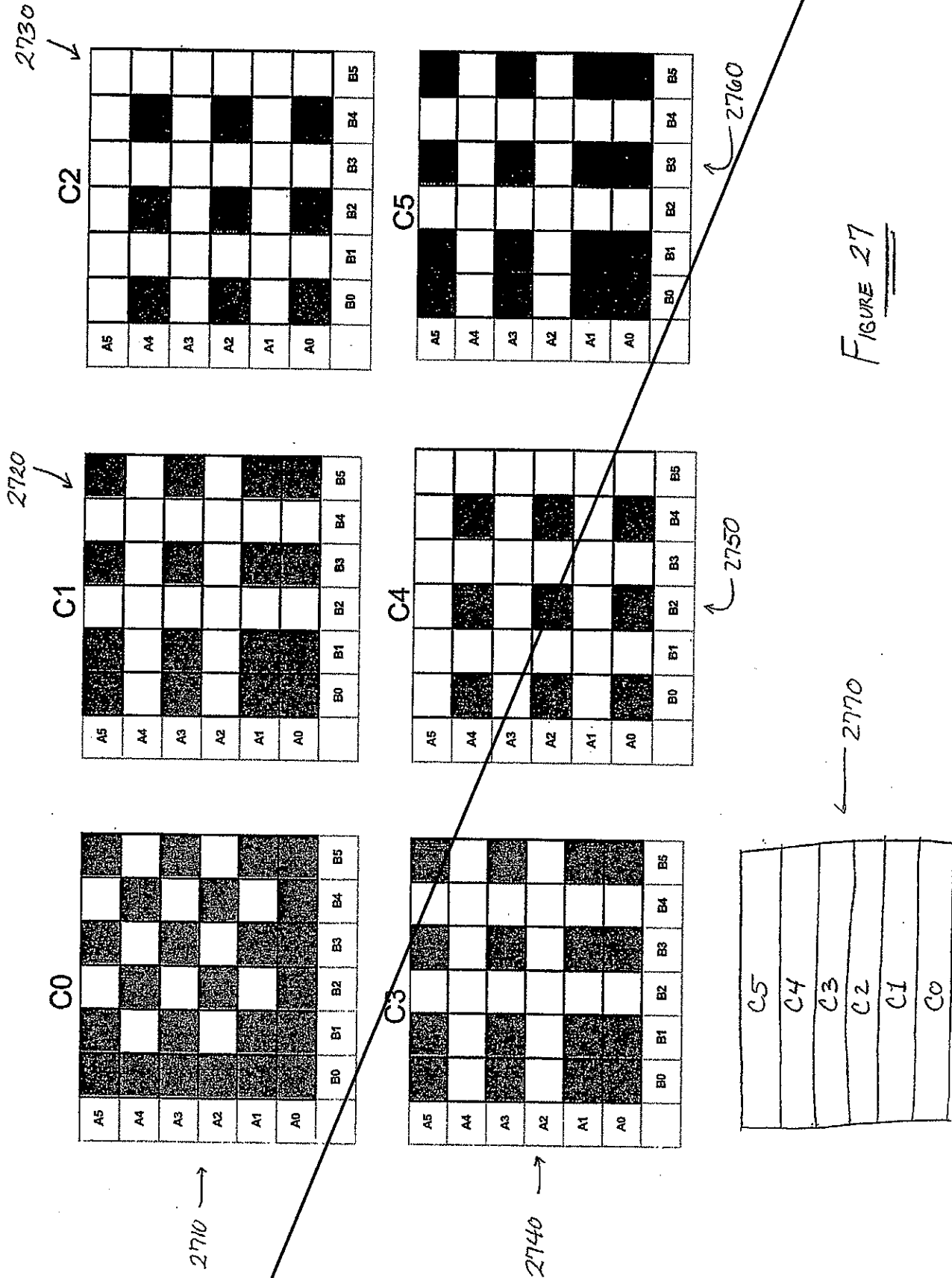
FIGURE 25

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FIGURE 26





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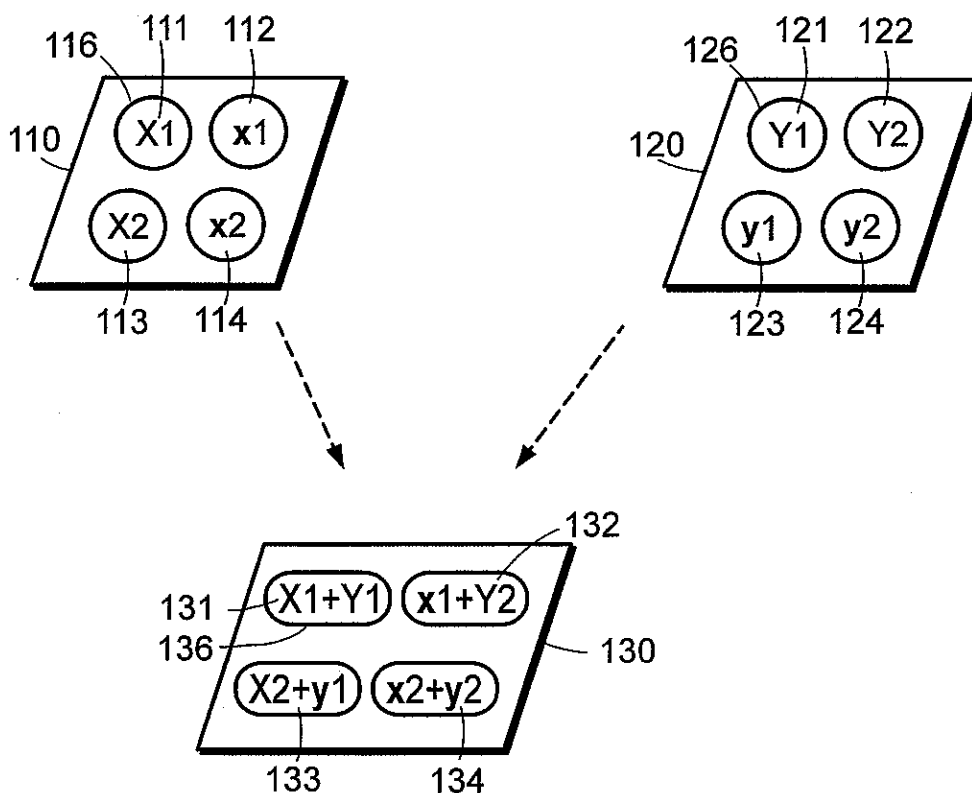


FIG. 1

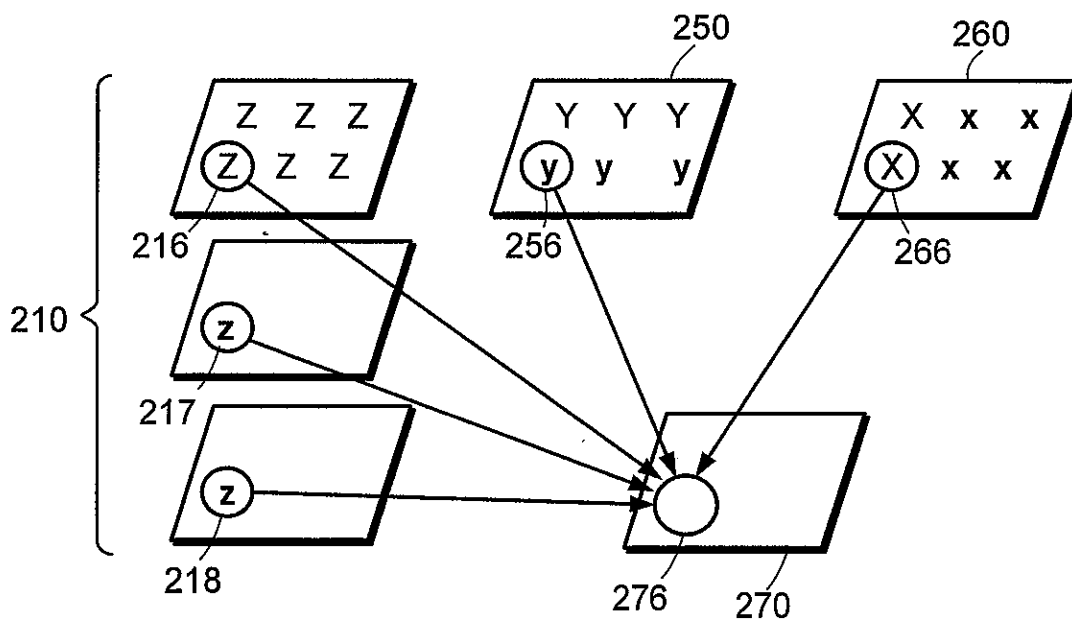


FIG. 2

2/32 °

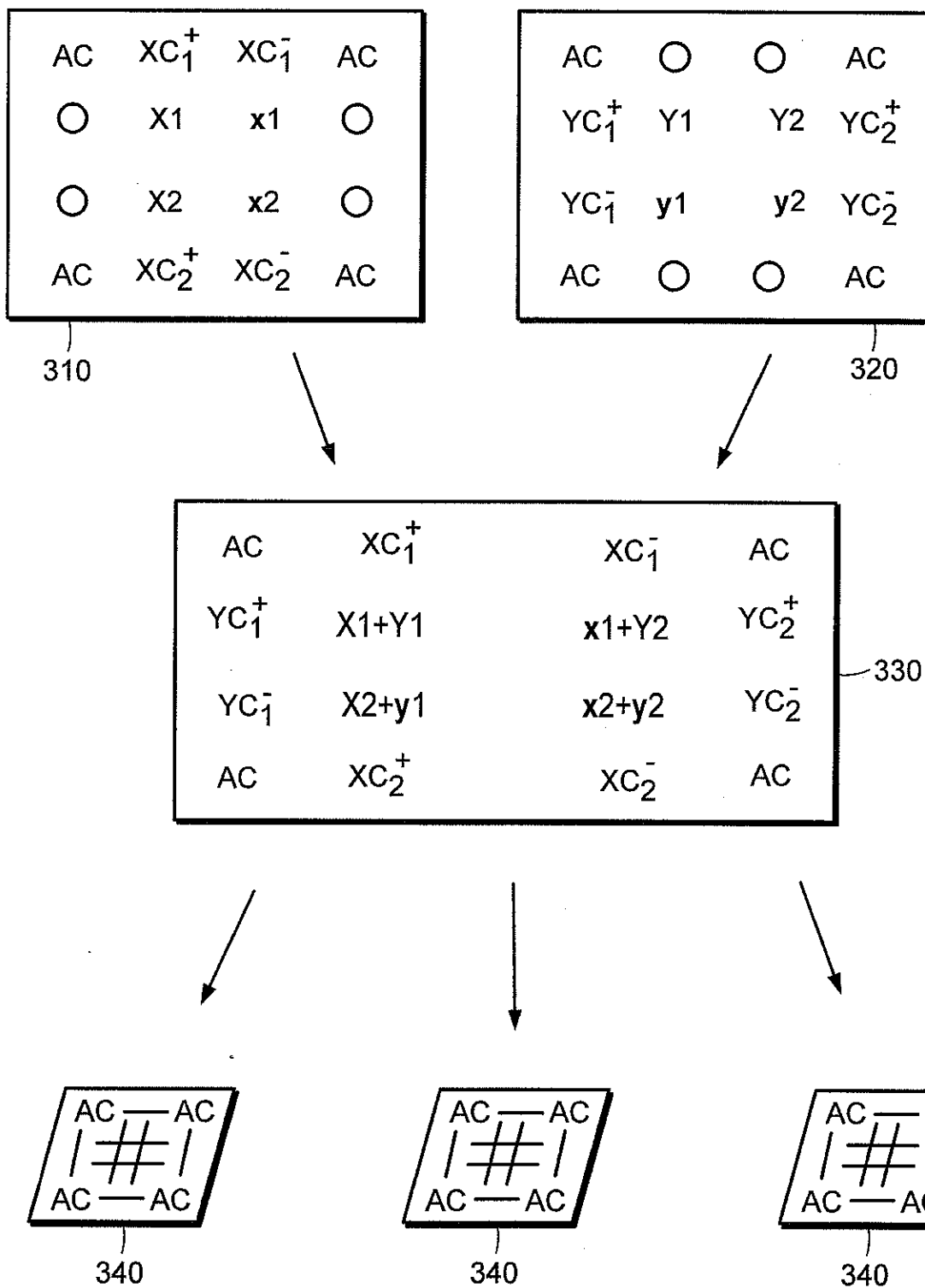


FIG. 3

3/32 °

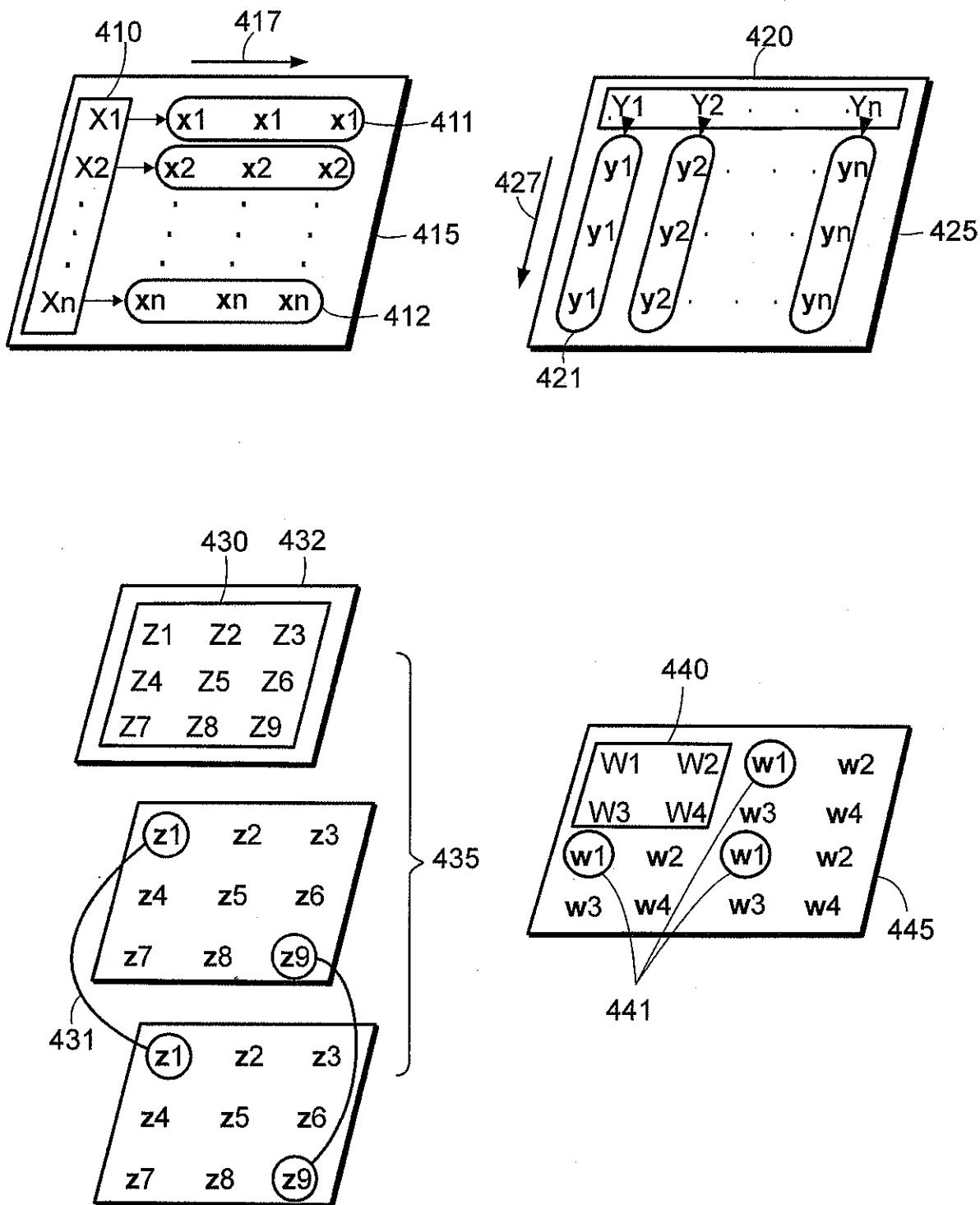


FIG. 4

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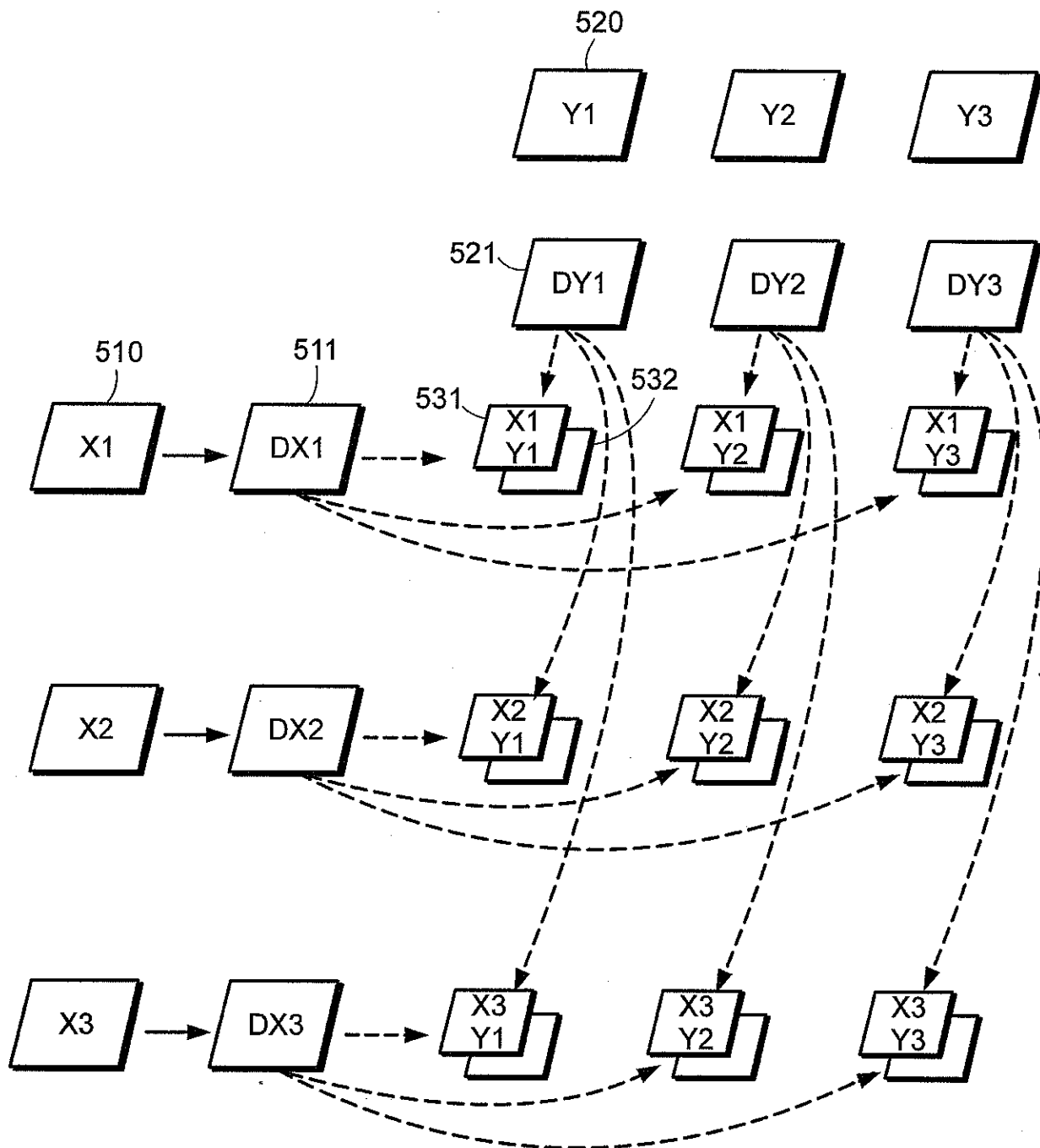


FIG. 5

5/32 °

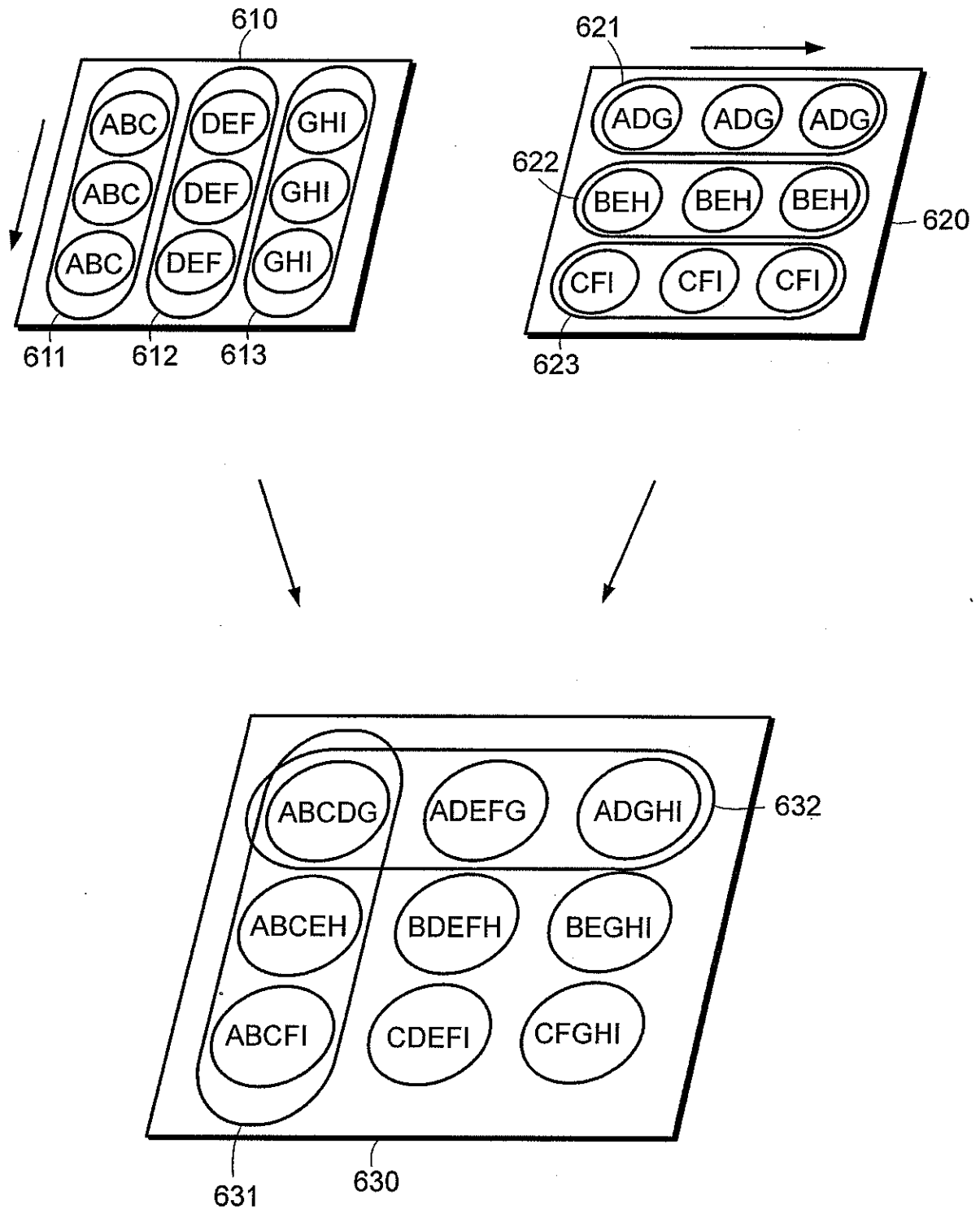


FIG. 6

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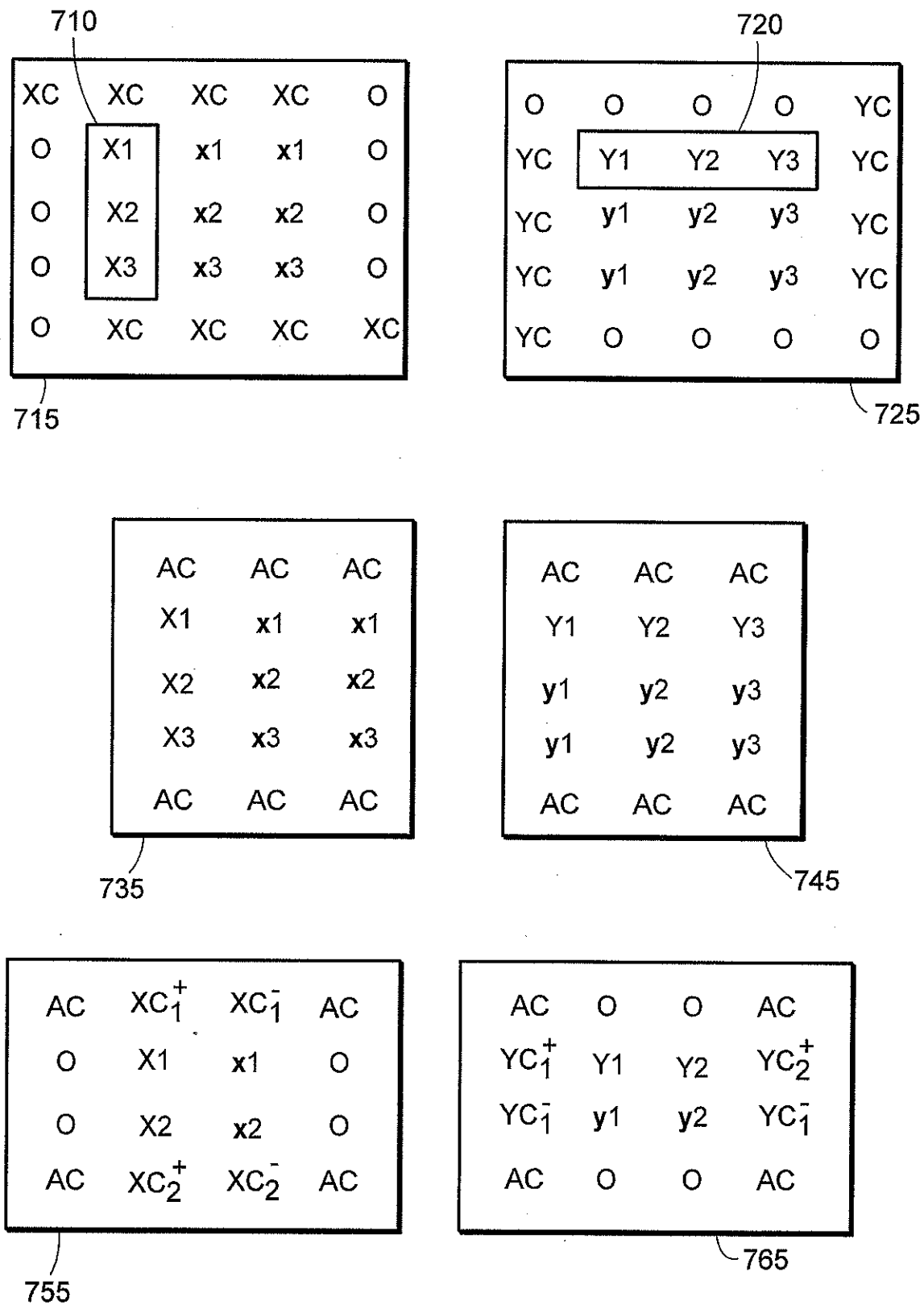


FIG. 7

7/32 °

- Blocks 1, 3, 5, 7, & 9
- Blocks 2, 4, 6, & 8
- X or Y controls
- Untreated controls for use in UNT calculation
- Untreated for use in identifying plate effects
- Background (100% kill)
- Recombinant Protein Standards

→ Increasing Concentration

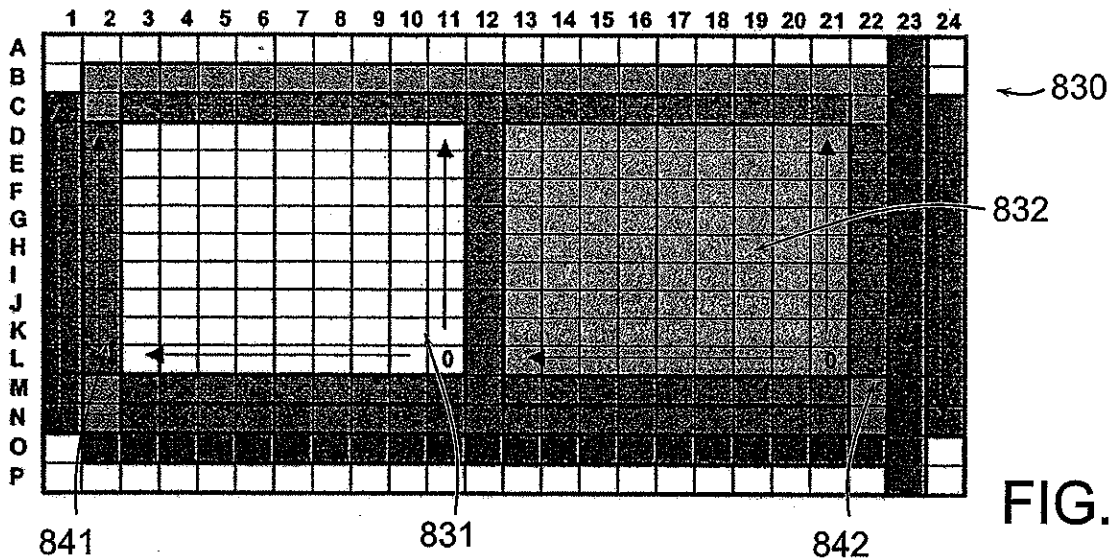
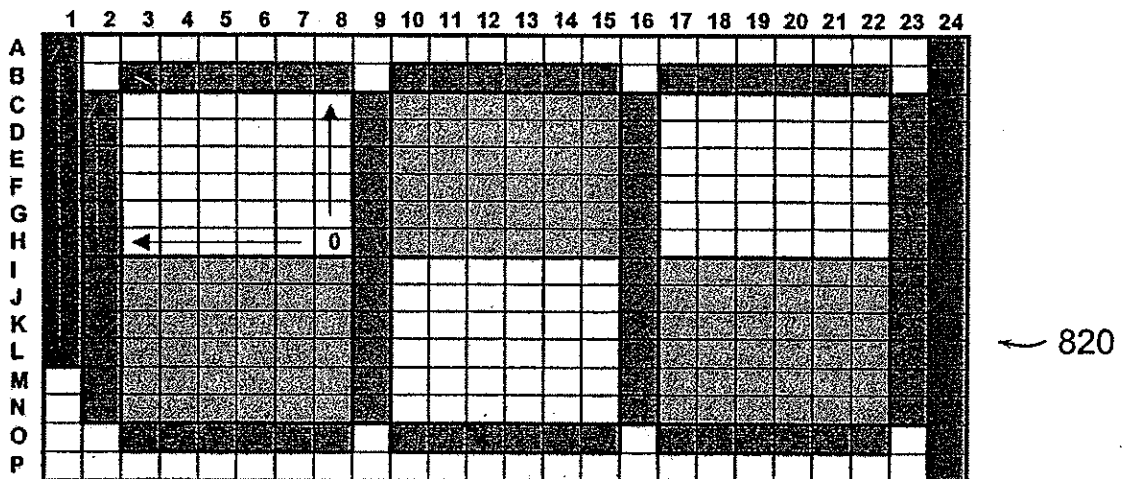
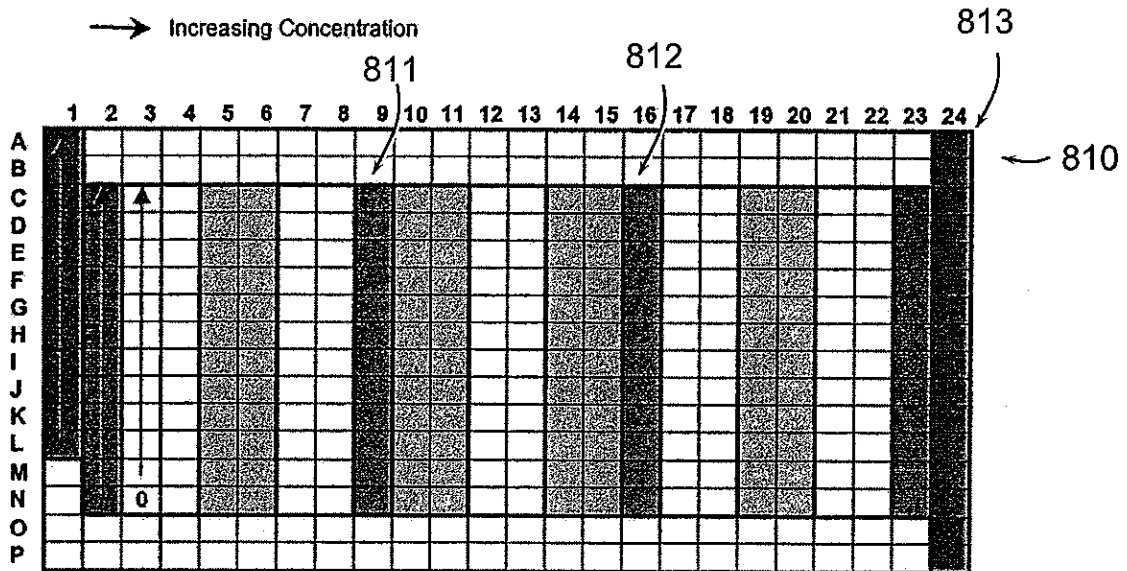


FIG. 8

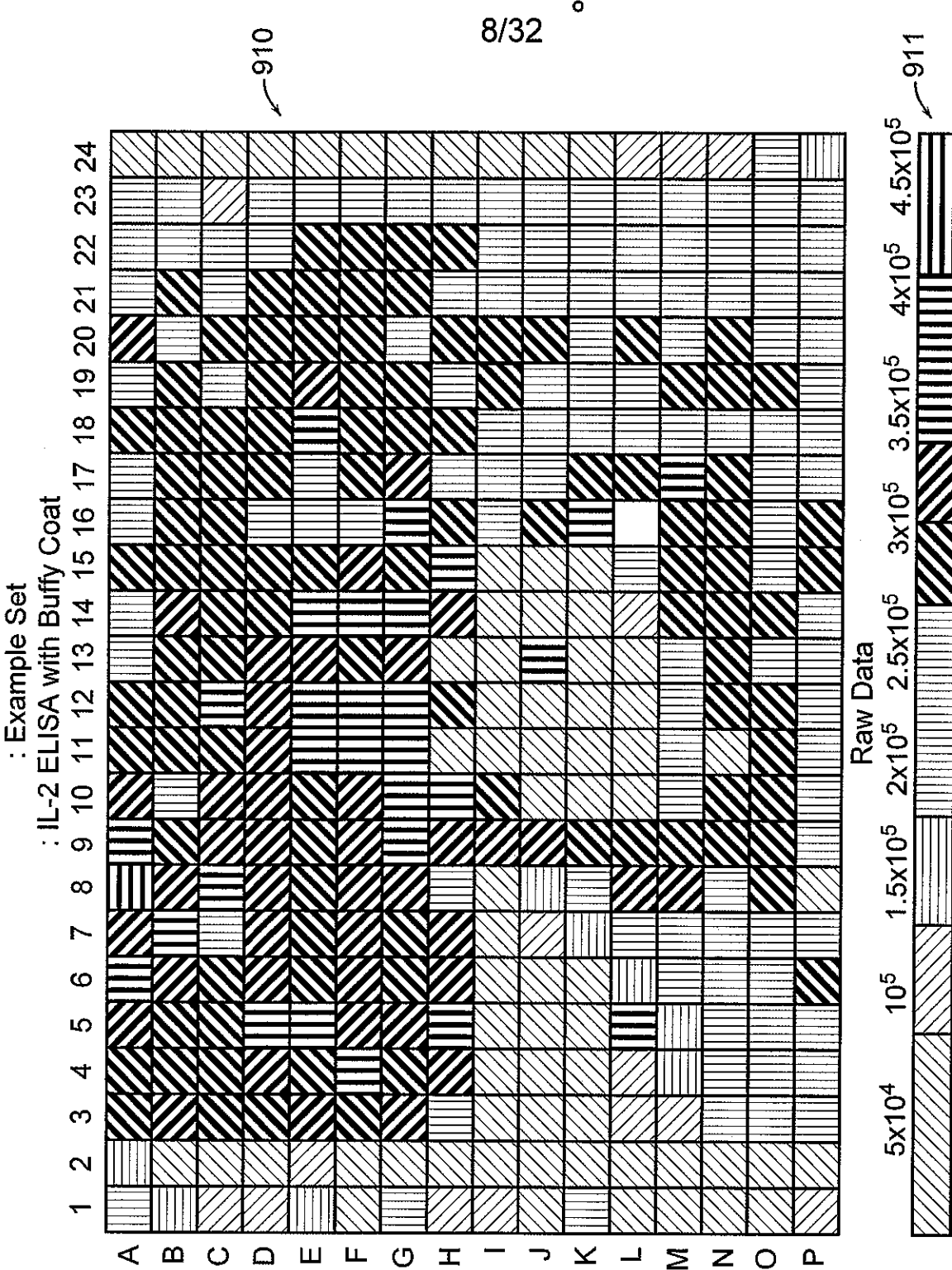


FIG. 9A

FIG. 9A
FIG. 9B
FIG. 3C

FIG. 9

9/32 °

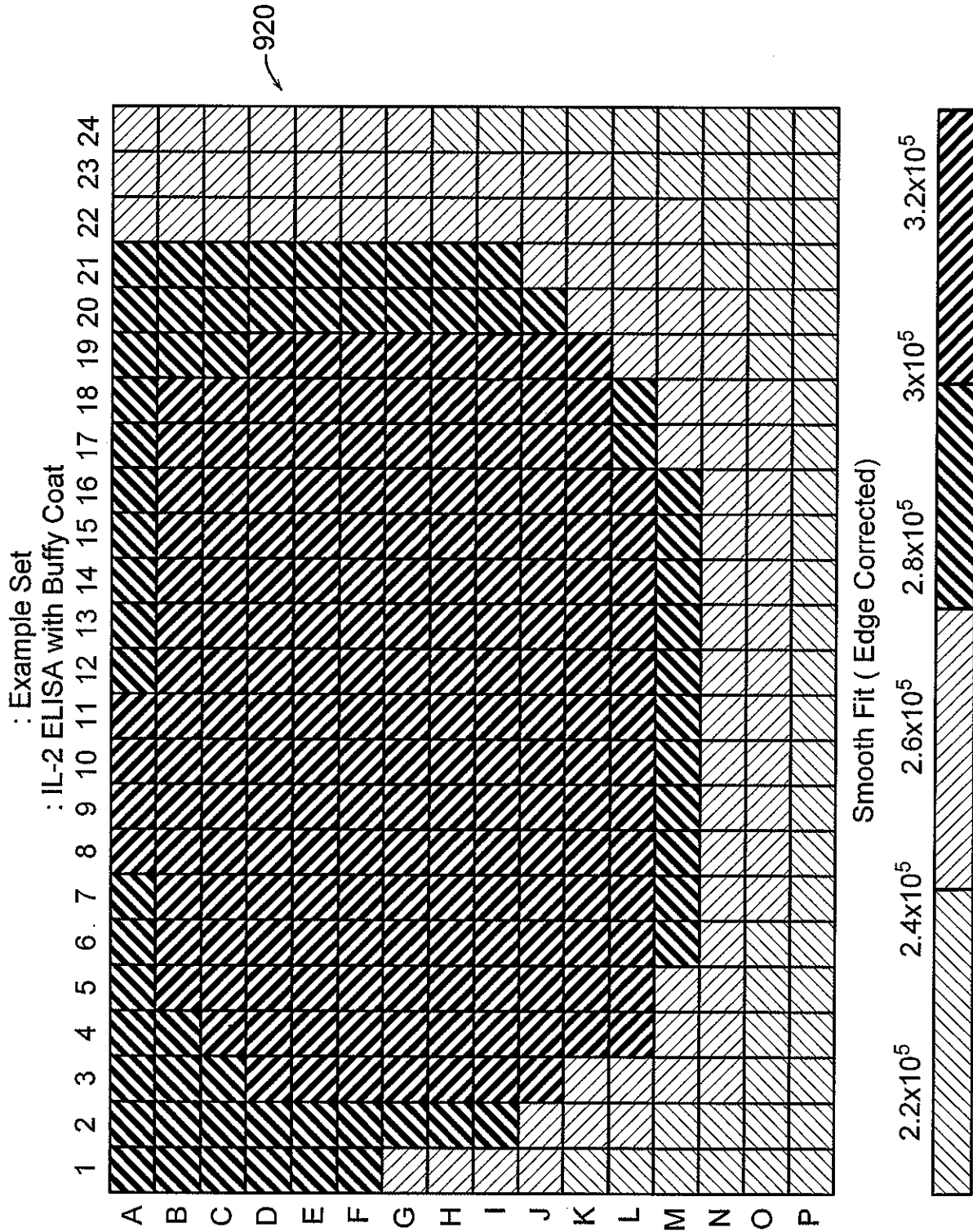


FIG. 9B

10/32 °

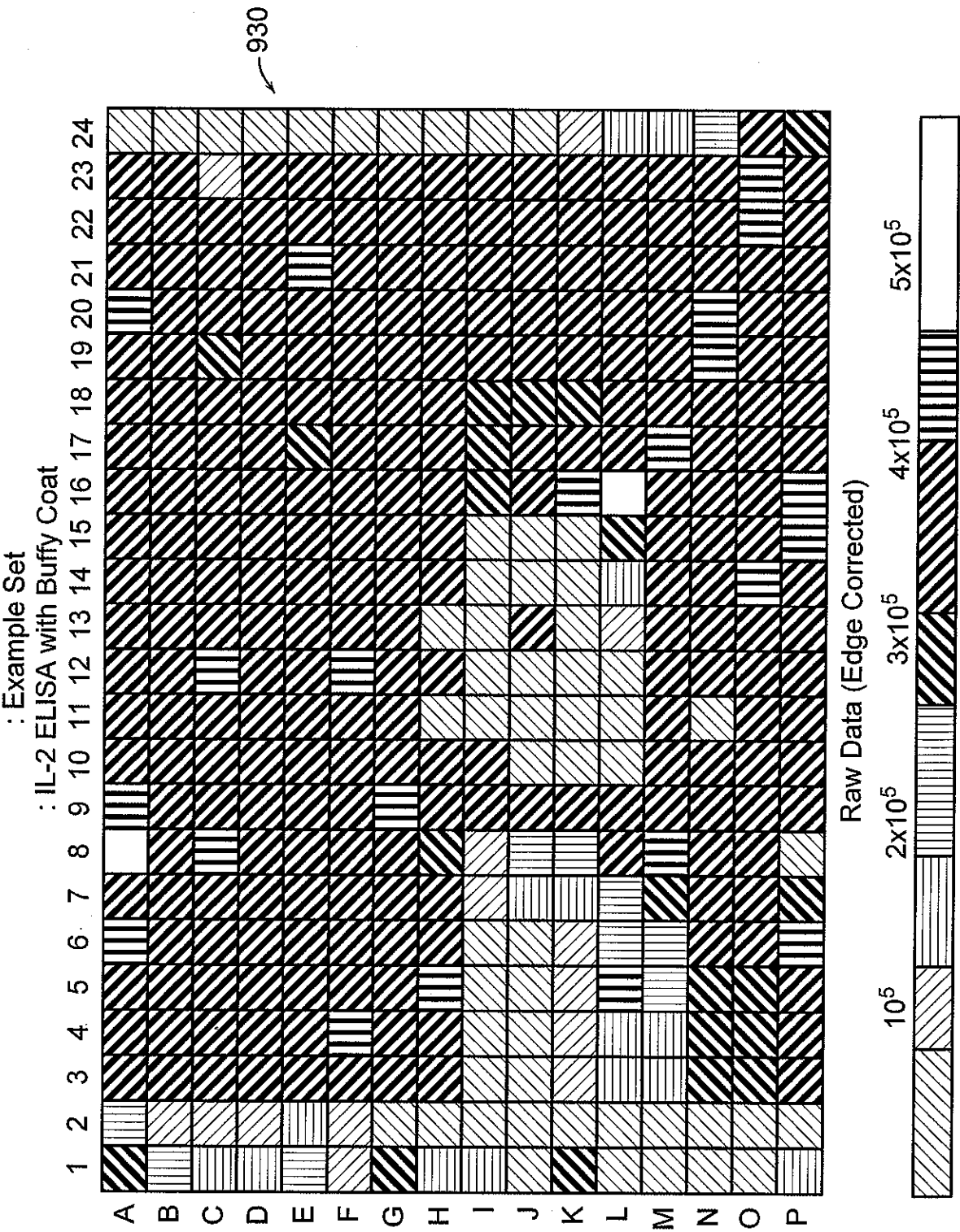


FIG. 9C

Compound1 x Compound2

Study:

Prot: IL-2 ELISA with Buffy Coat

Set: Examples Set

Photos: Block 4

Peck-99% Spike-1 $\Sigma_{330}[\text{X}_{\text{nec}}-79$

Combin: Mdx χ dwg χ N>3 σ ($\sigma=5\%$)

H.S.A.	7.6	5.5	20
--------	-----	-----	----

Bijss	6.7	5.4	21
-------	-----	-----	----

Shift 25% 50% 75% Effect

	X(4-fold)	>5	>5	>5	71%
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
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94					
95					
96					
97					
98					
99					
100					

Y(4-fold)	>2.7	3	>2	32%

1040

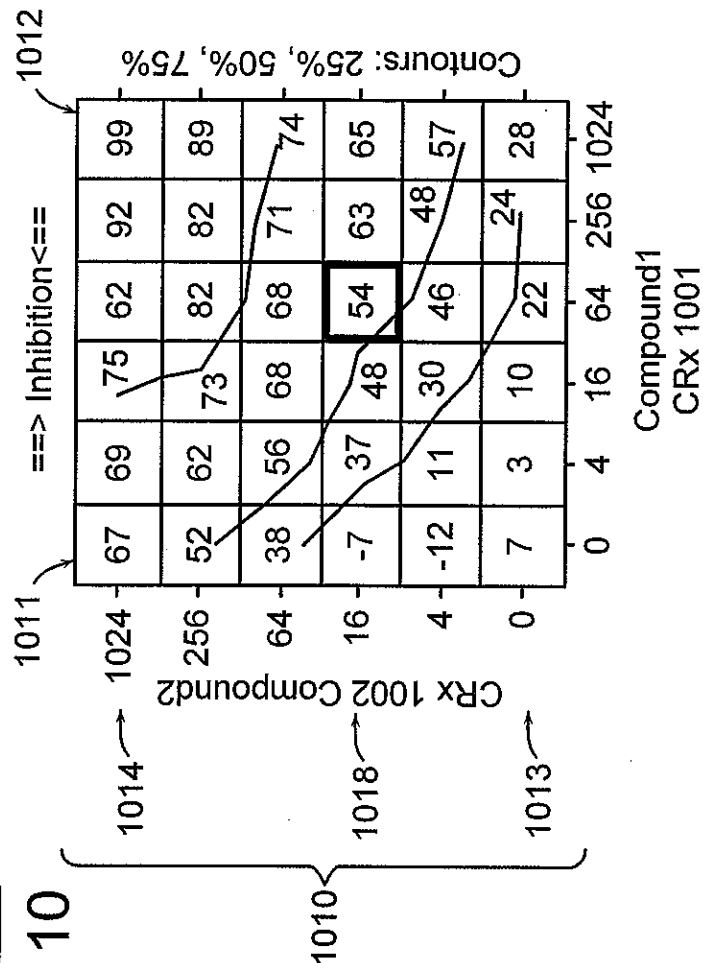


FIG. 10A

FIG. 10A	FIG. 10B	FIG. 10C
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FIG. 10

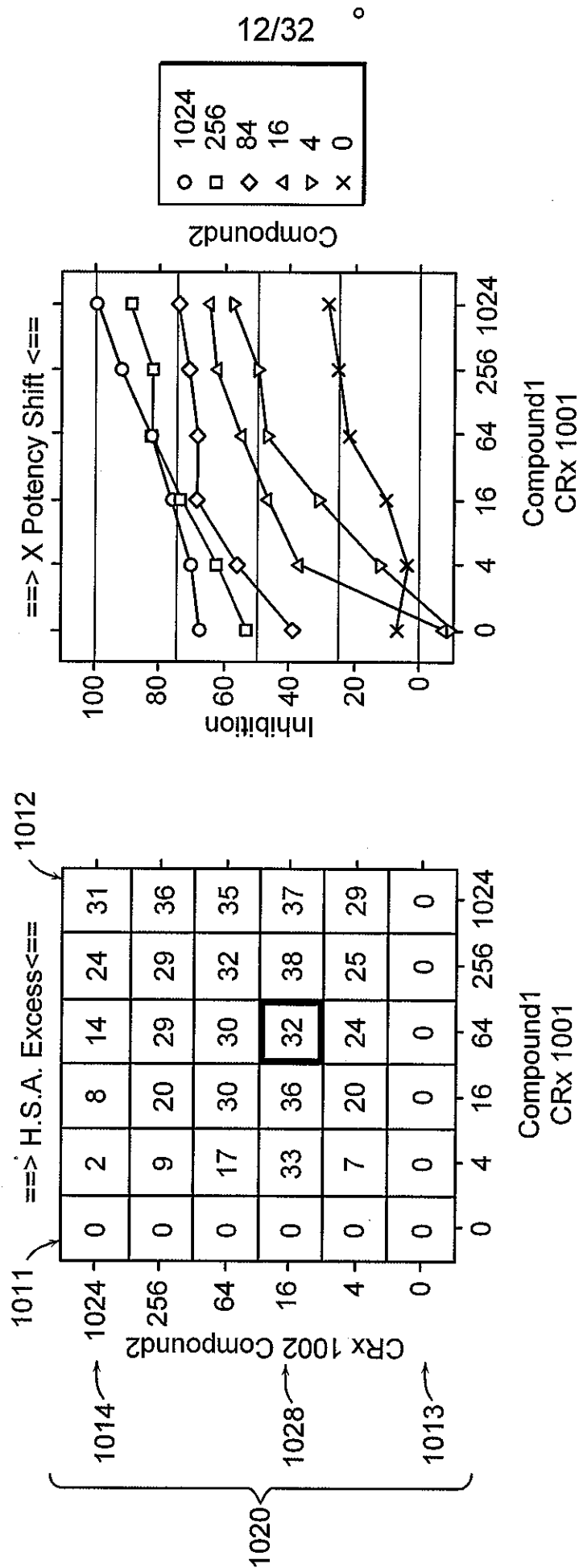


FIG. 10B

13/32 °

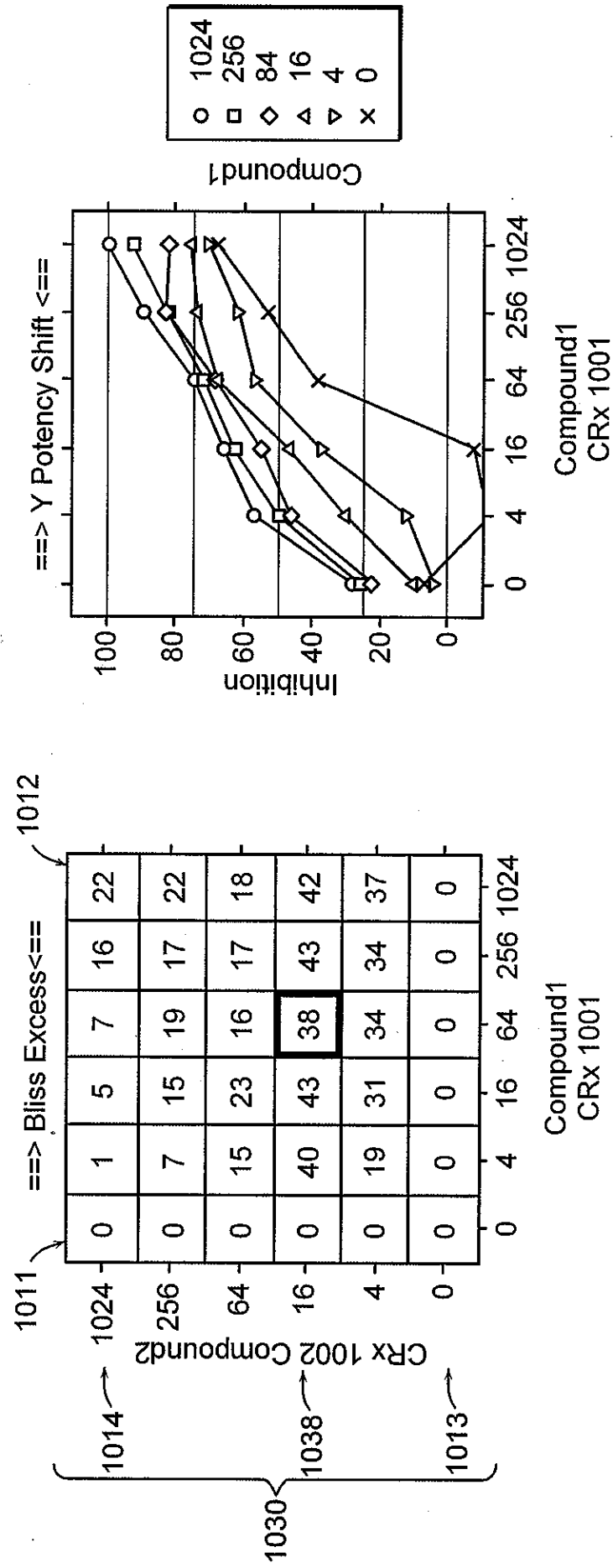


FIG. 10C

FIG. 11A
FIG. 11B

FIG. 11

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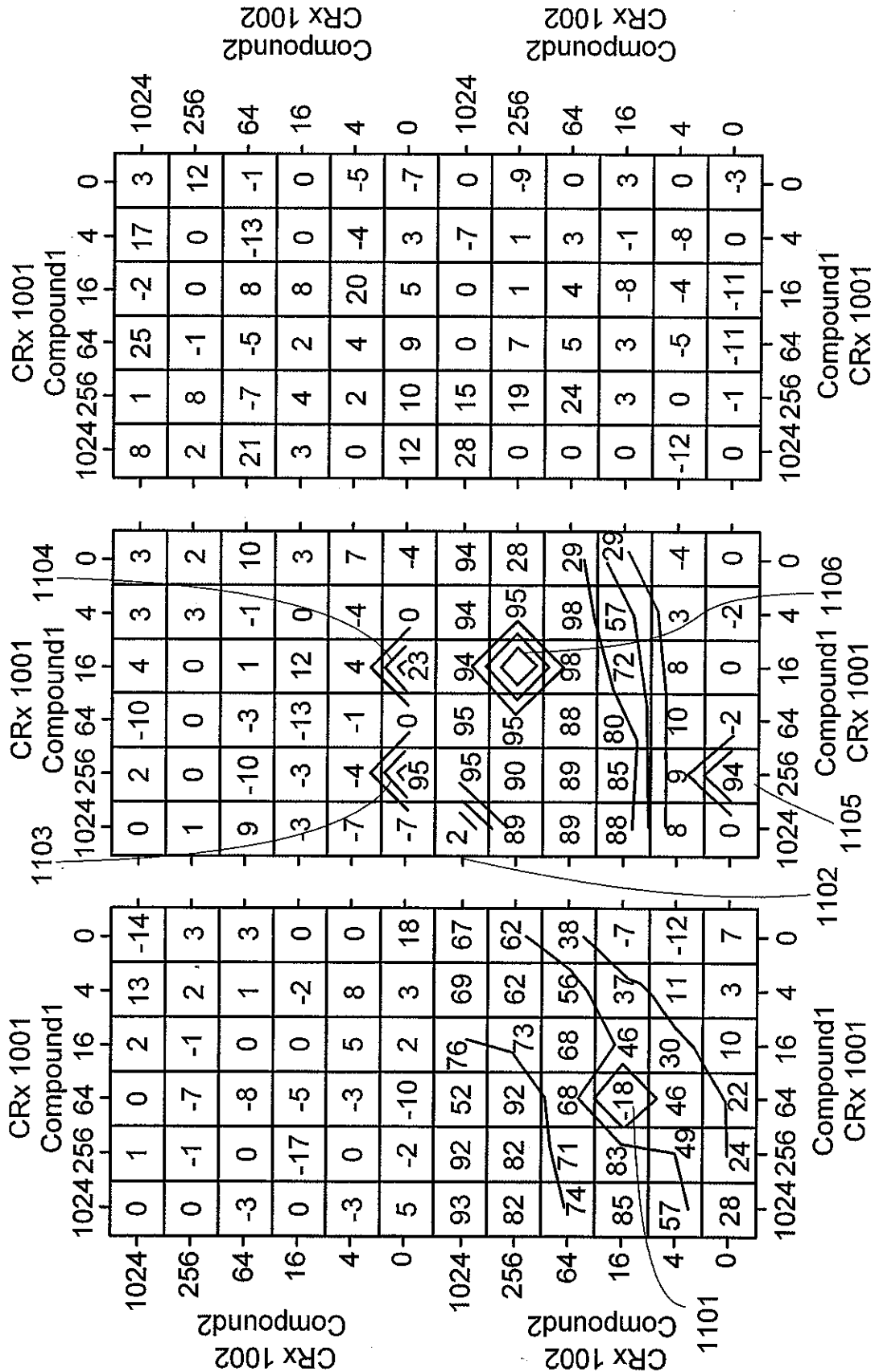


FIG. 11A

FIG. 11B

16/32 °

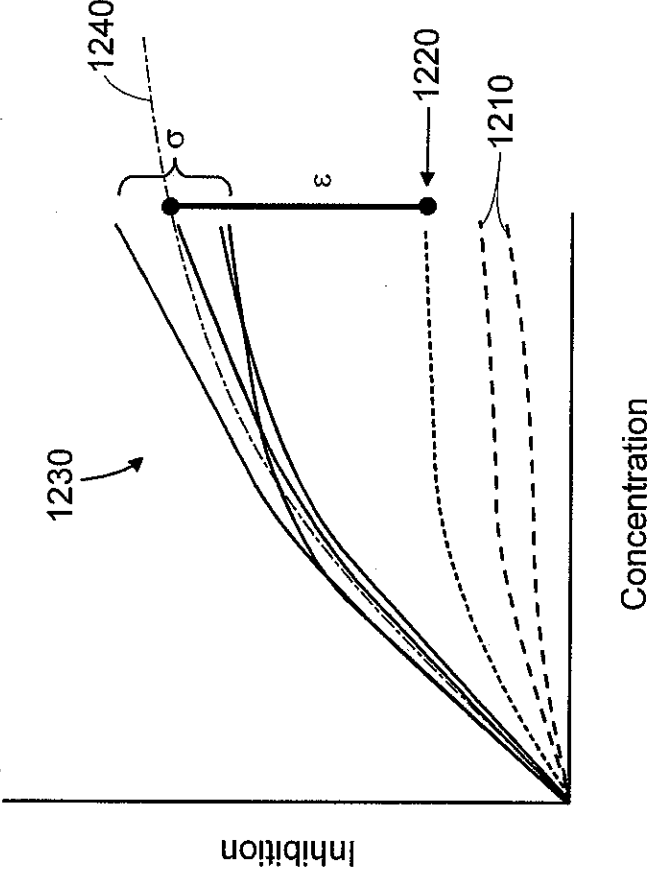


FIG. 12

17/32 °

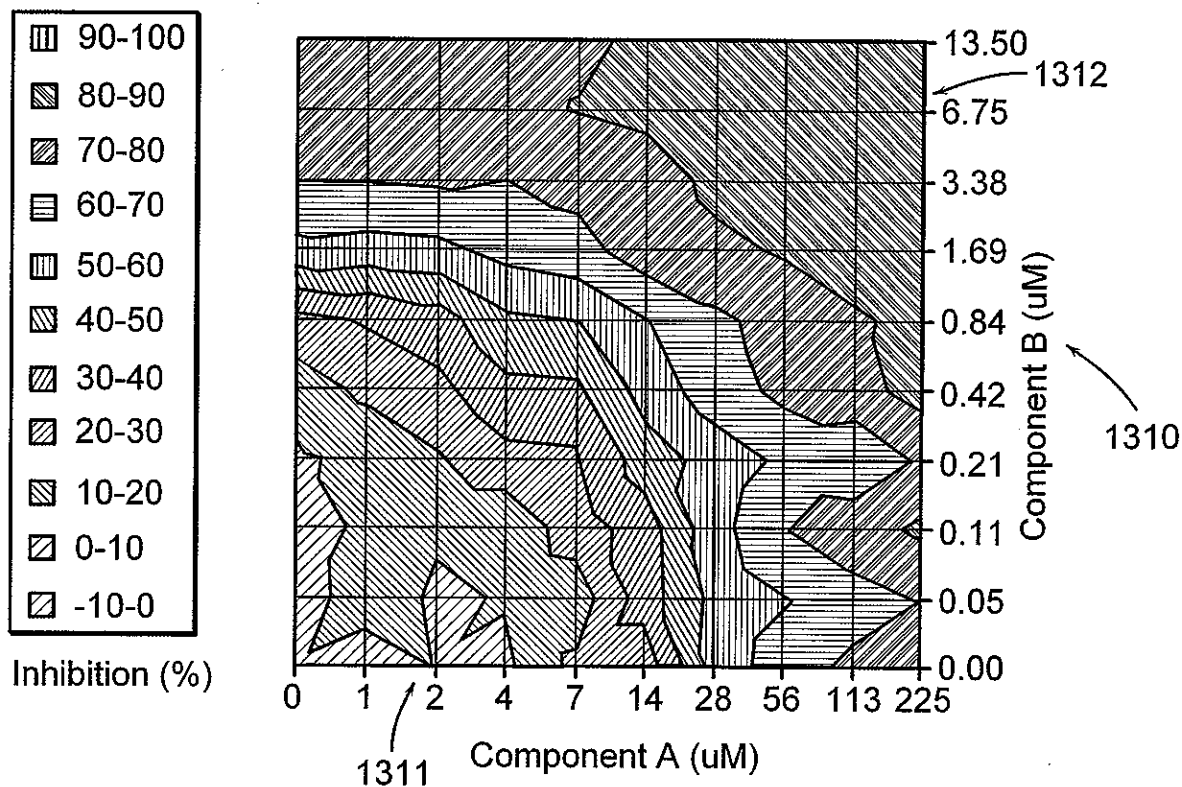


FIG. 13A

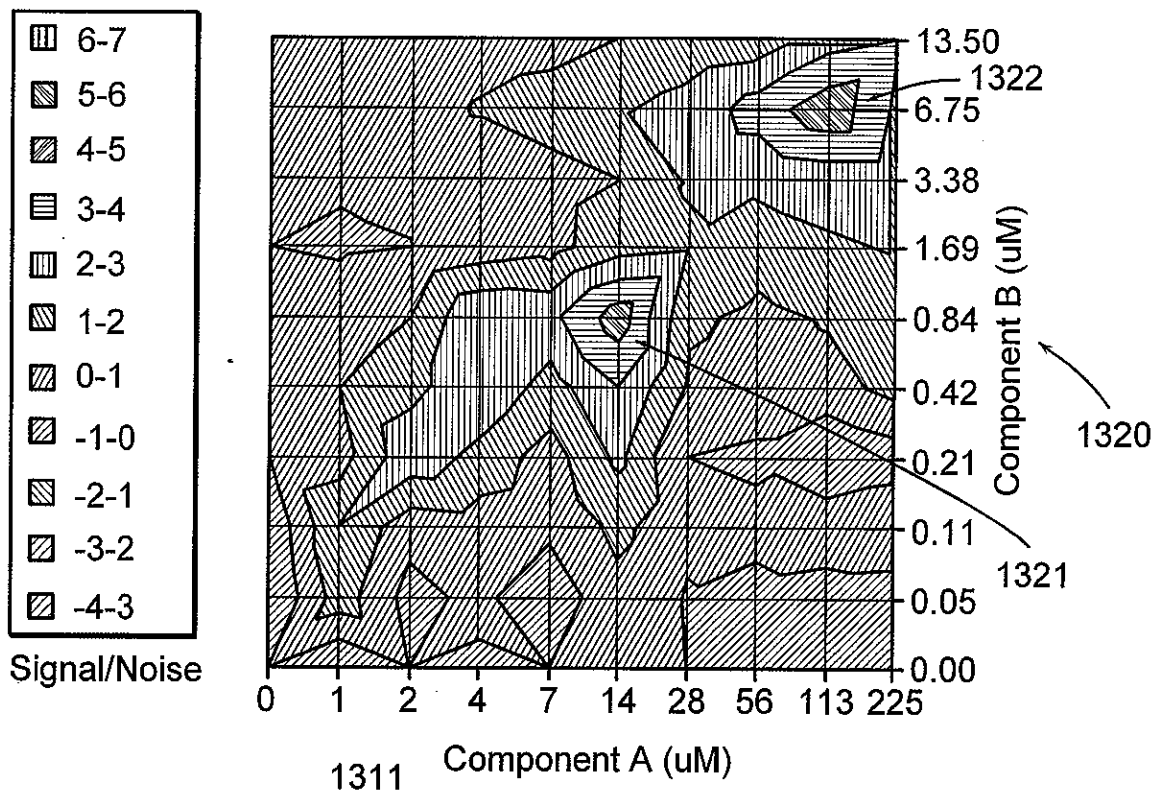


FIG. 13B

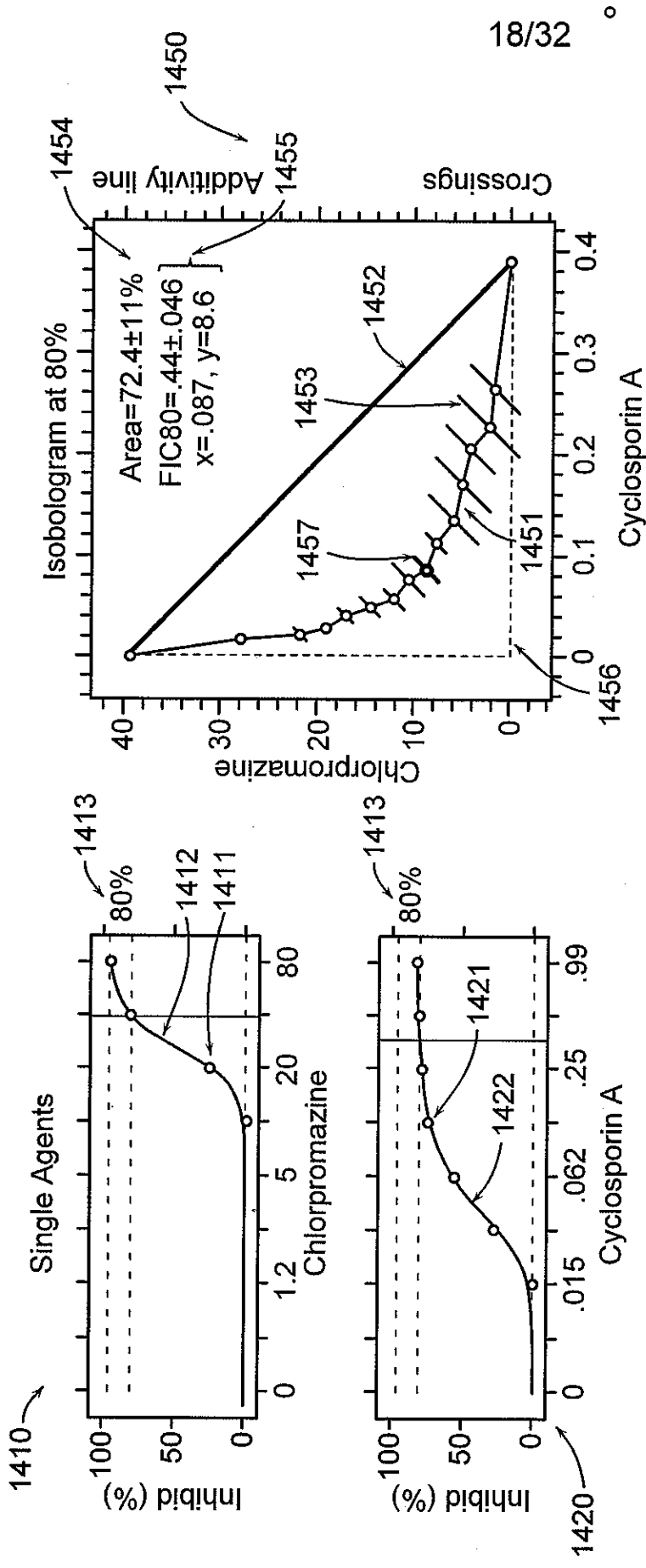


FIG. 14A

FIG. 14

FIG. 14A
FIG. 14B
FIG. 14C

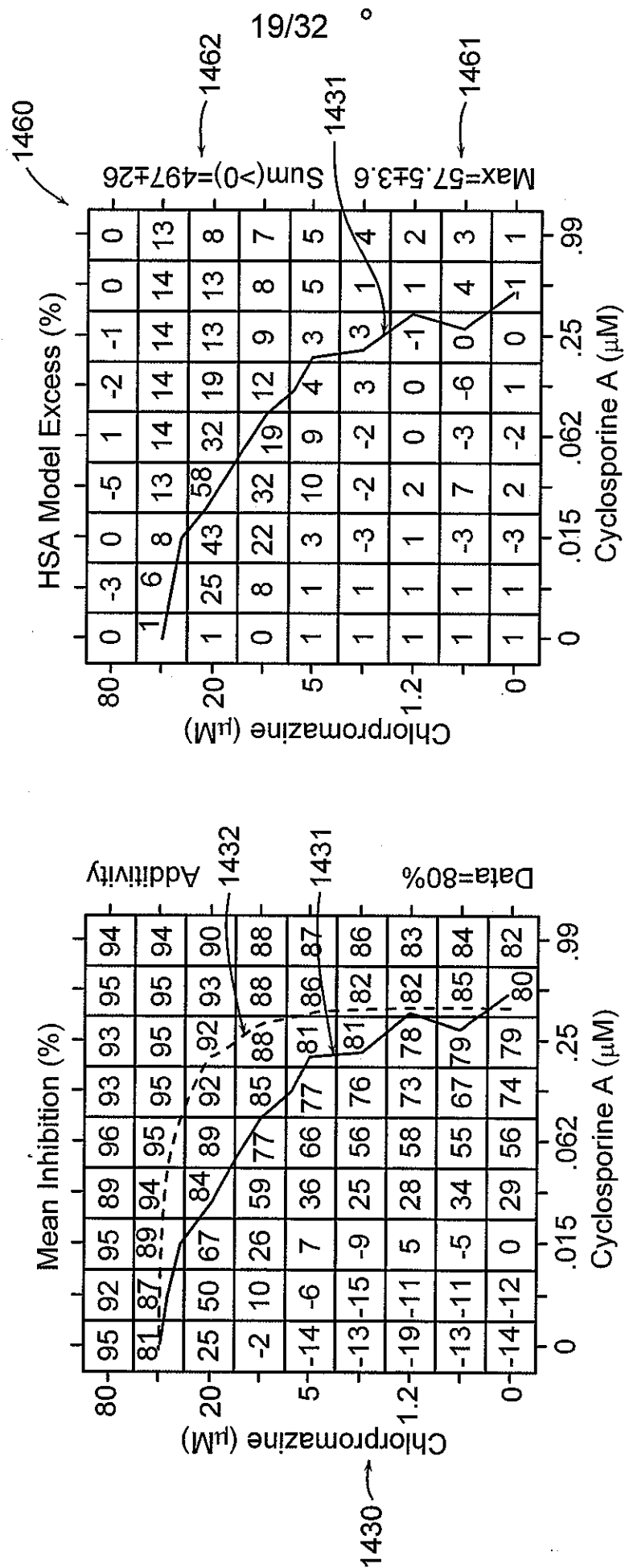


FIG. 14B

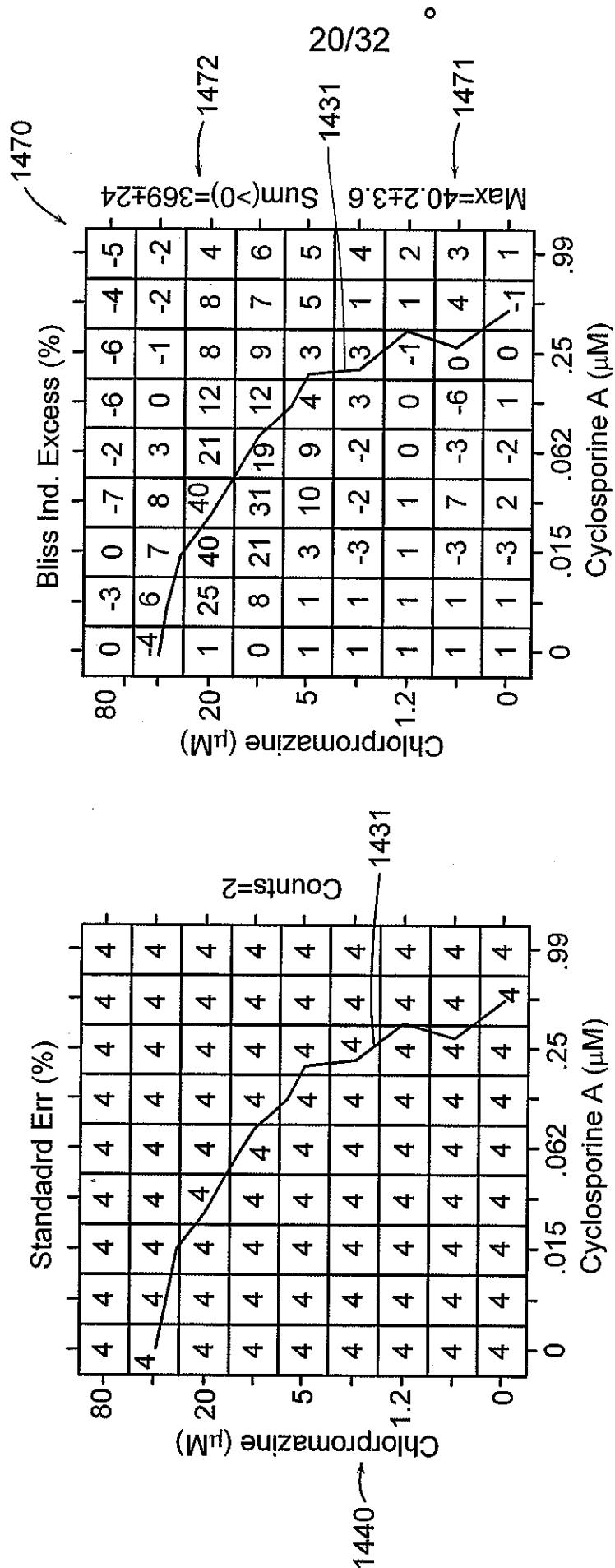


FIG. 14C

X-Plate Inactive Plate Format

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
A=1																								
B=2	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
C=3	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
D=4	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
E=5	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
F=6	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
G=7	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X
H=8																								
I=9																								
J=10																								
K=11																								
L=12																								
M=13																								
N=14																								
O=15																								
P=16																								

INACTIVE 216 plate format

216 combination wells

Well Content

X

Single mixtures on X-plate

Y

Single mixtures on Y-plate

XY

Combined mixtures

X

X Transfer Controls

Y

Y Transfer Controls

U

Untreated for use as background

FIG. 15

1510
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Y plate Inactive Plate Format

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
A=1	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
B=2	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
C=3	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
D=4	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
E=5	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
F=6	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
G=7	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
H=8	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
I=9	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
J=10	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
K=11	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
L=12	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
M=13	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
N=14	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
O=15	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U
P=16	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U	U

1610

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INACTIVE 216 plate format

216 combination wells

Well Content

Single mixtures on X-plate

Single mixtures on Y-plate

Combined mixtures

X Transfer Controls

Y Transfer Controls

Untreated for use as background

FIG. 16

Inactive Plate Format

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
A=1																								
B=2																								
C=3																								
D=4																								
E=5																								
F=6																								
G=7																								
H=8																								
I=9																								
J=10																								
K=11																								
L=12																								
M=13																								
N=14																								
O=15																								
P=16																								

1710
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INACTIVE 216 plate format

216 combination wells

Well Content
M
M
M
X
Y
U

Single mixtures on X-plate

Single mixtures on Y-plate

Combined mixtures

X Transfer Controls

Y Transfer Controls

Untreated for use as background

FIG. 17

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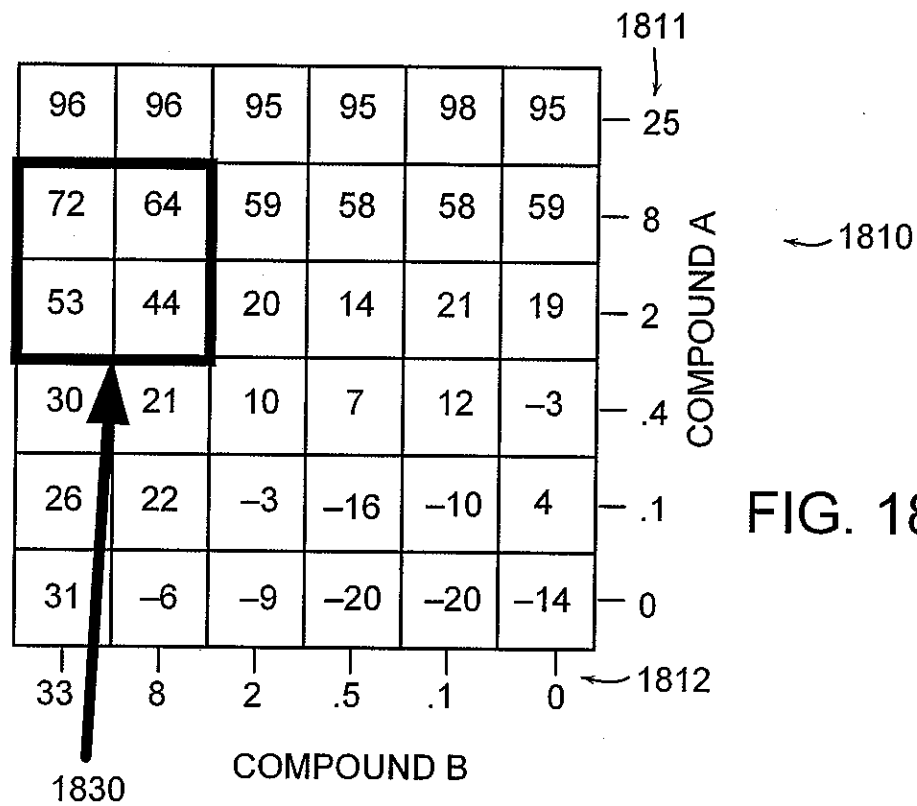


FIG. 18A

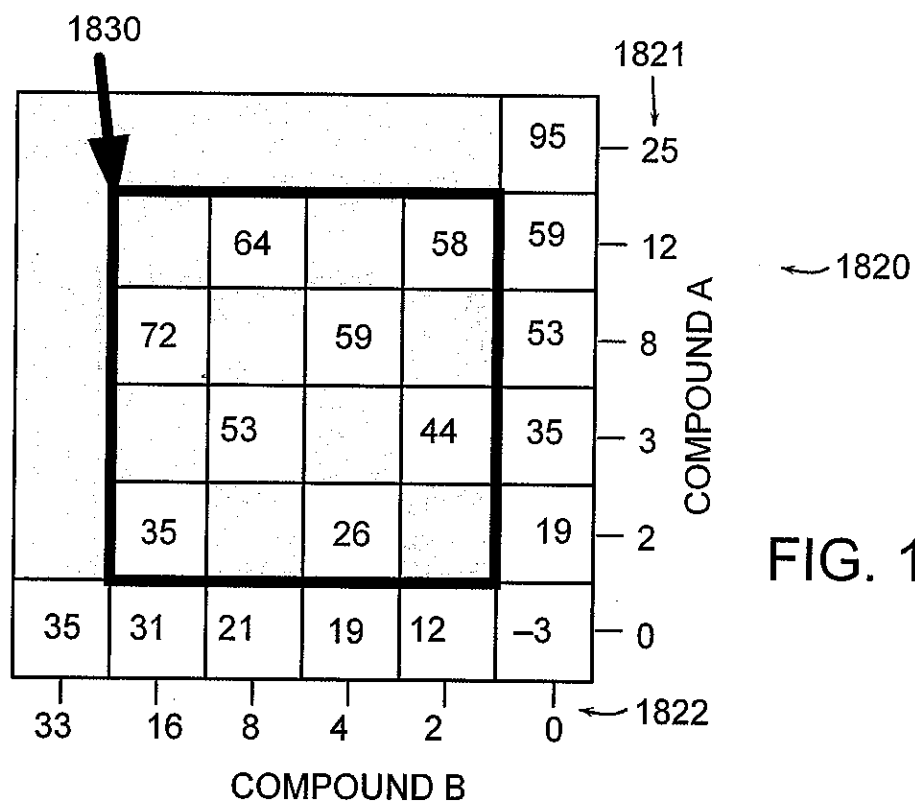


FIG. 18B

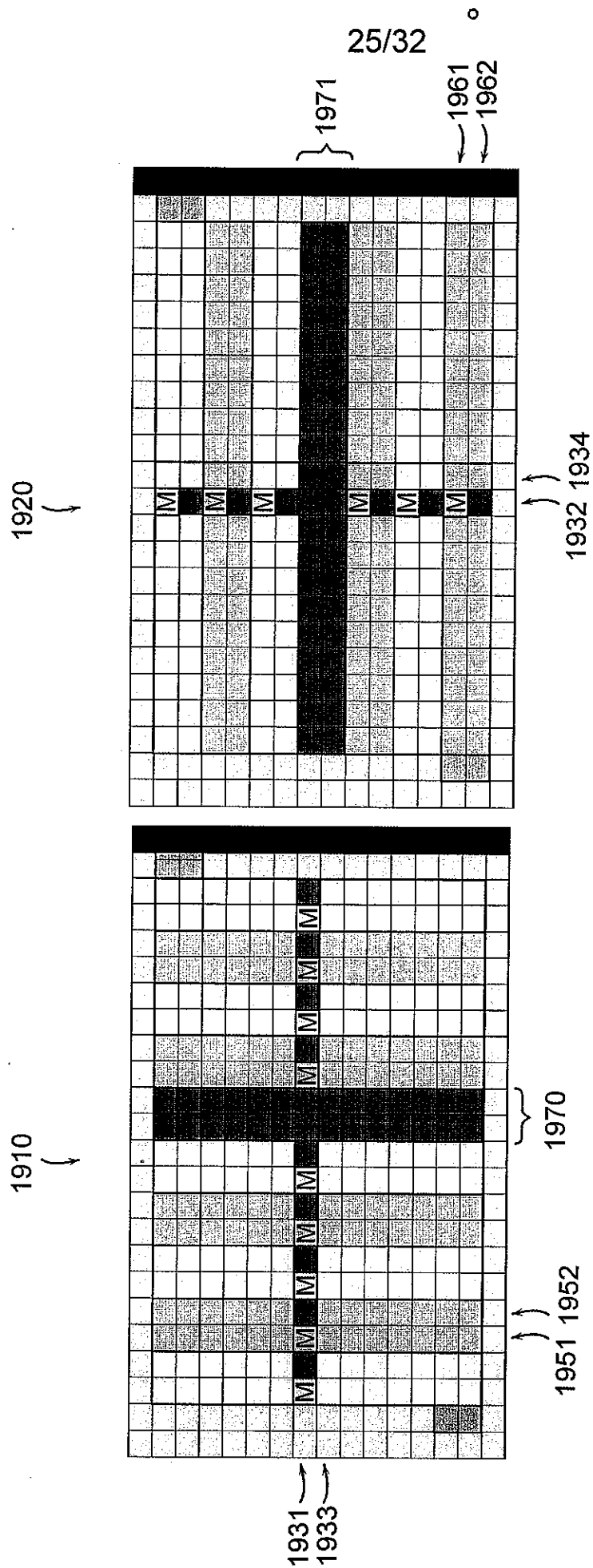
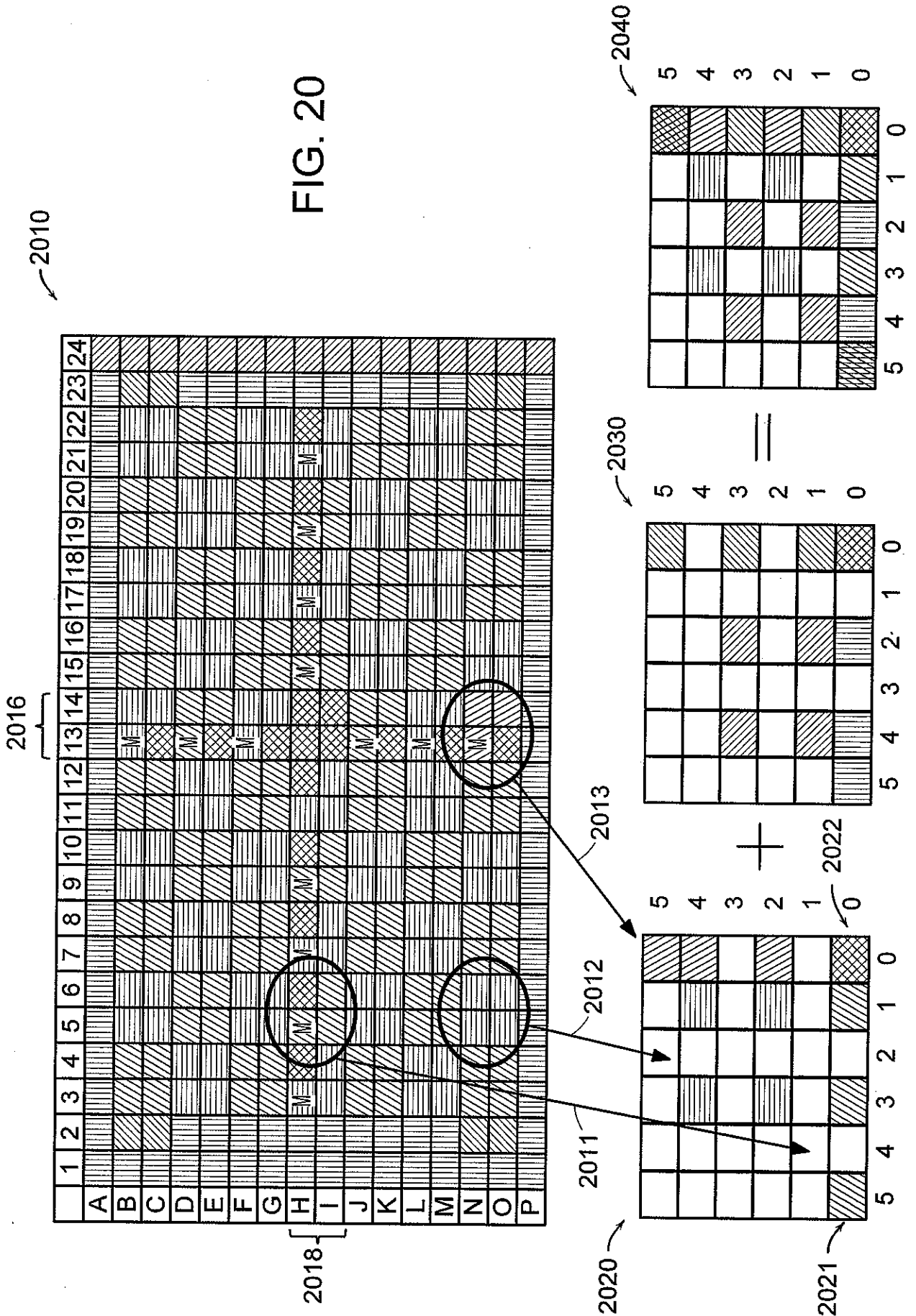
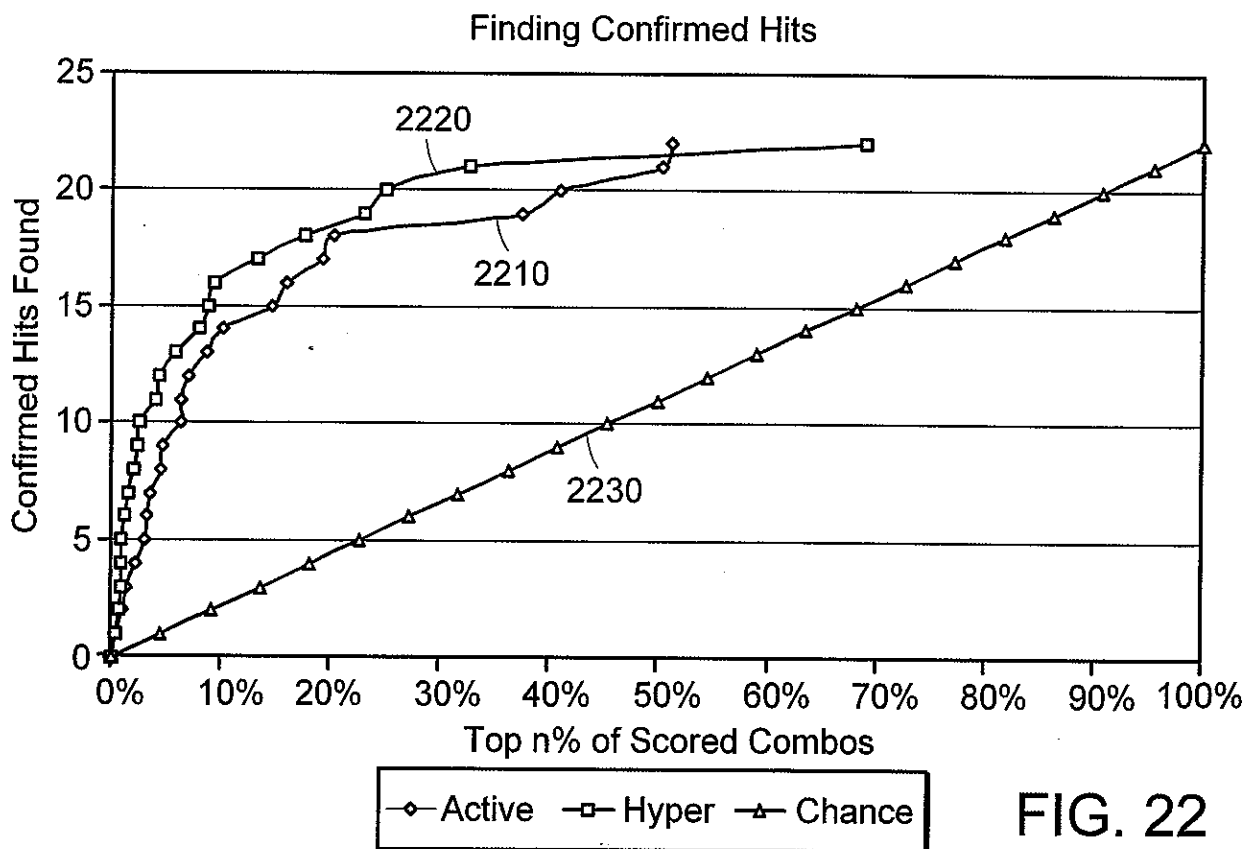
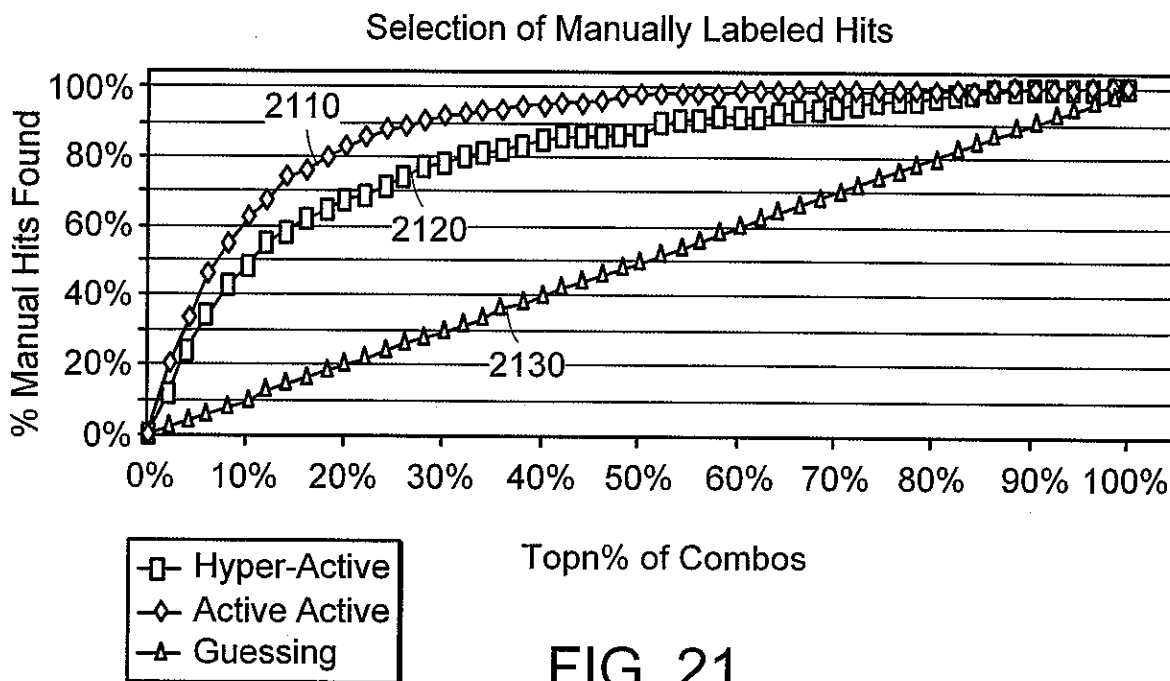


FIG. 19

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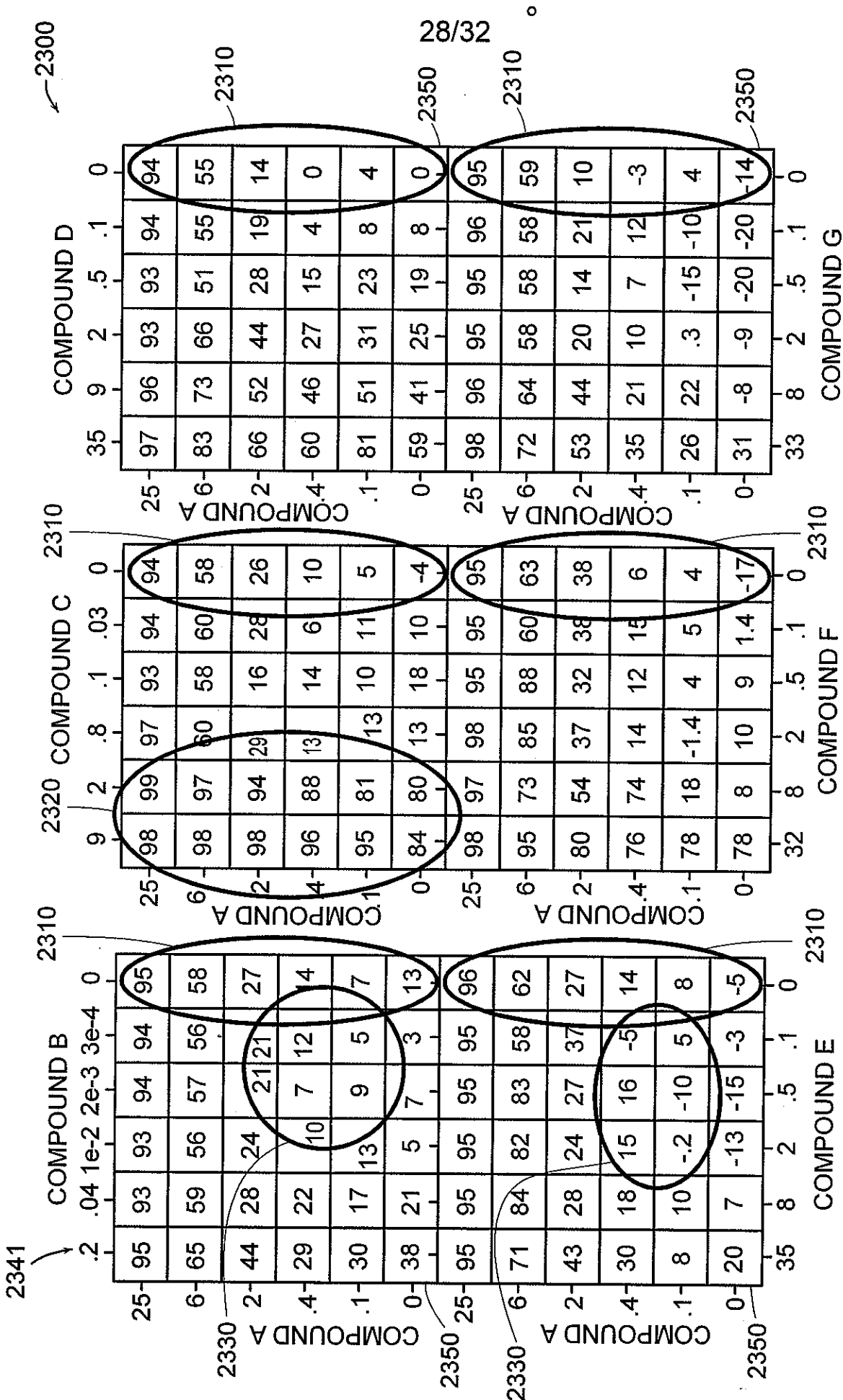
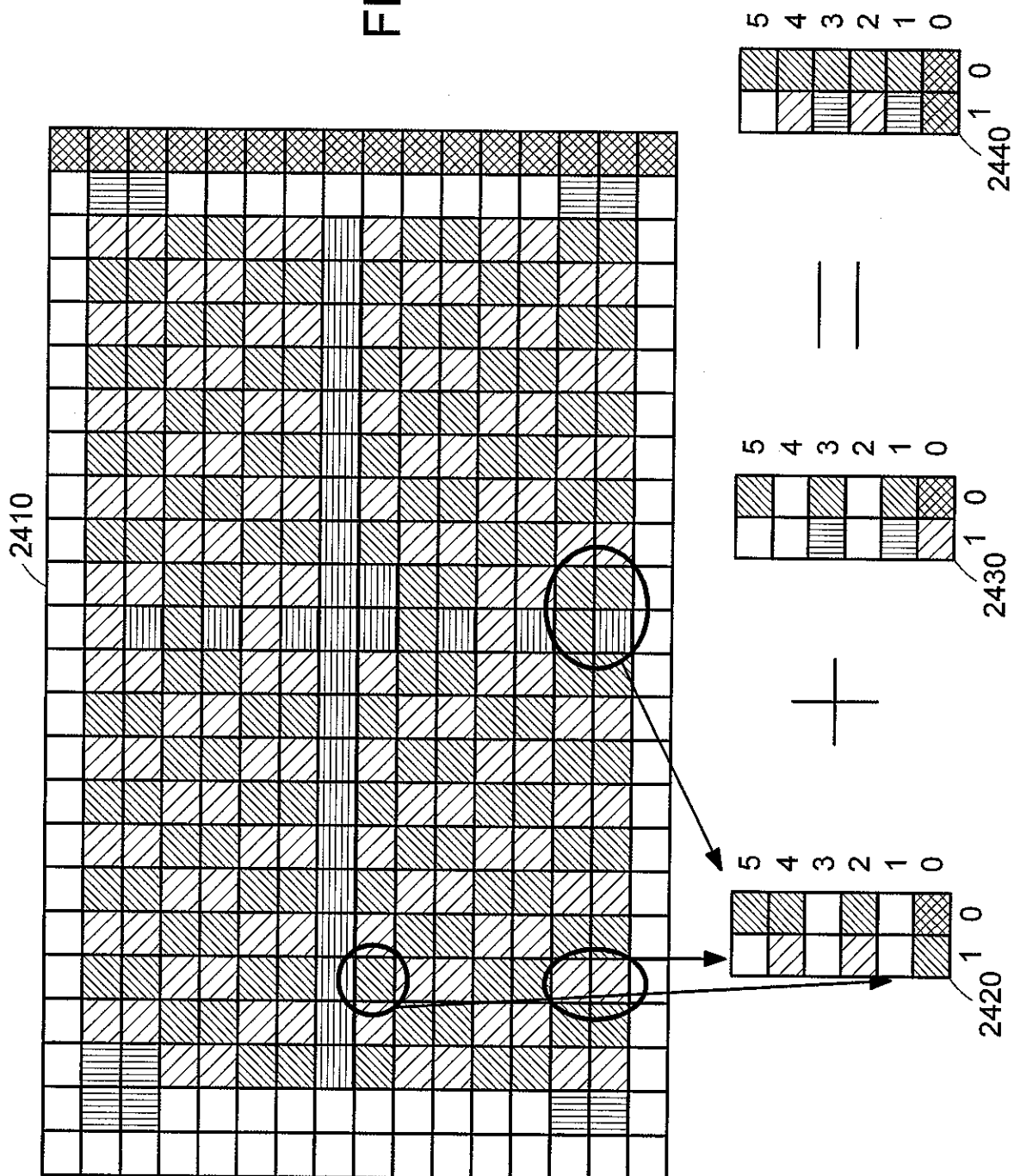


FIG. 23

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FIG. 24



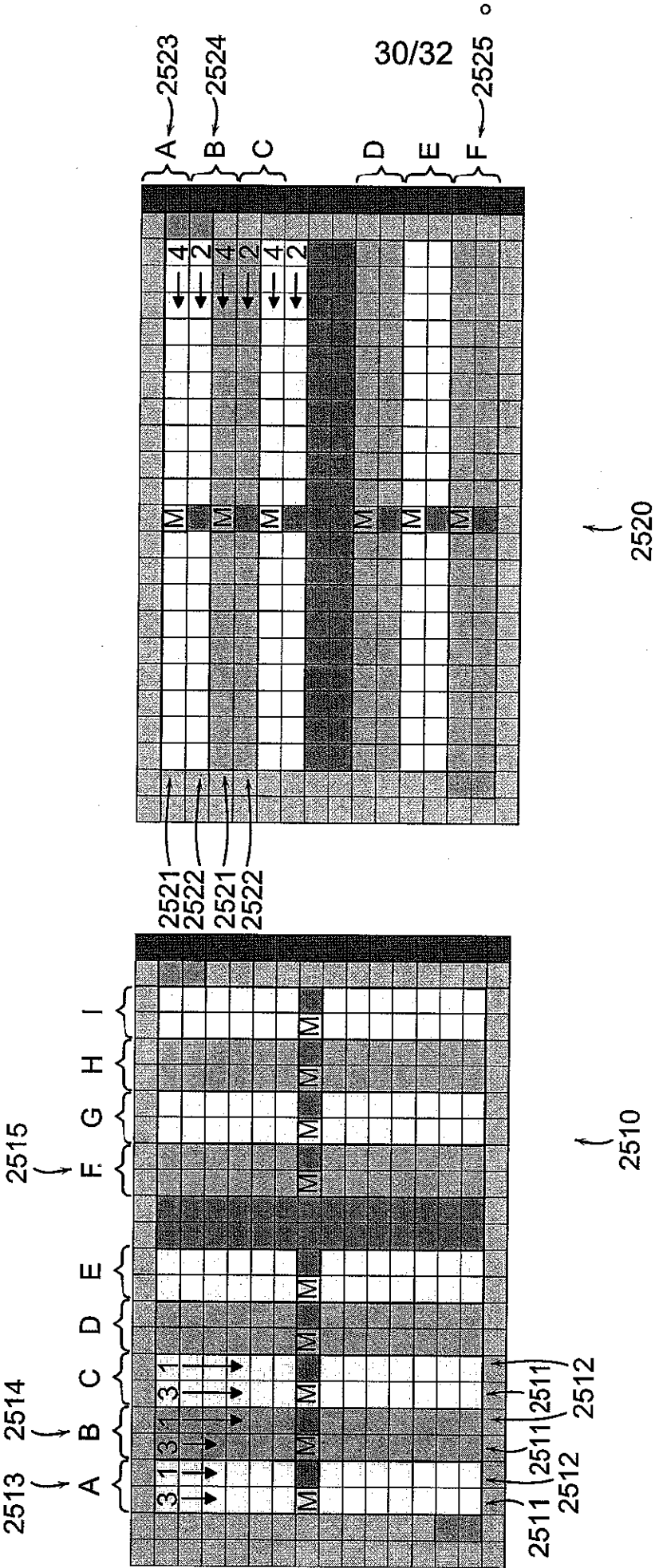
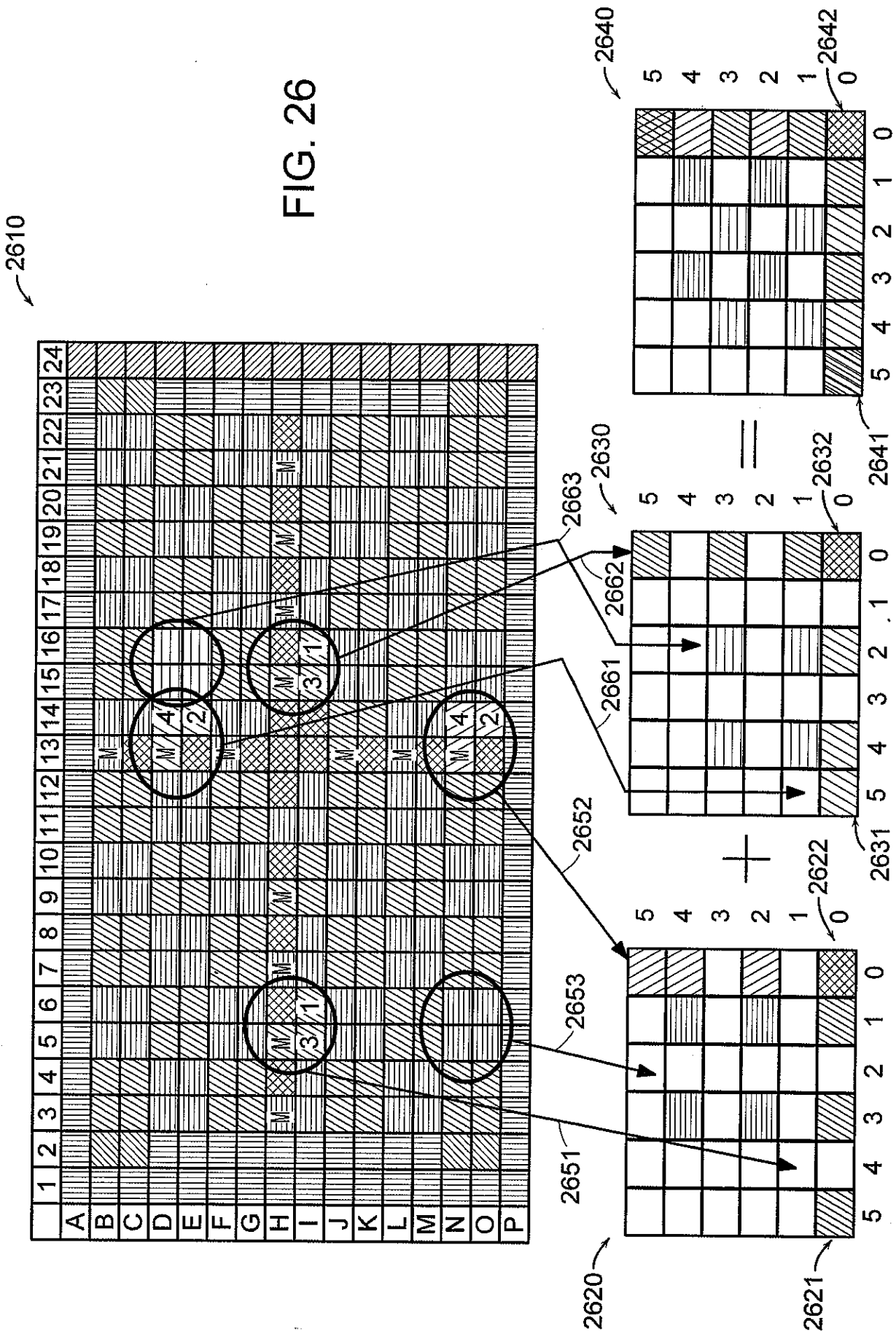


FIG. 25



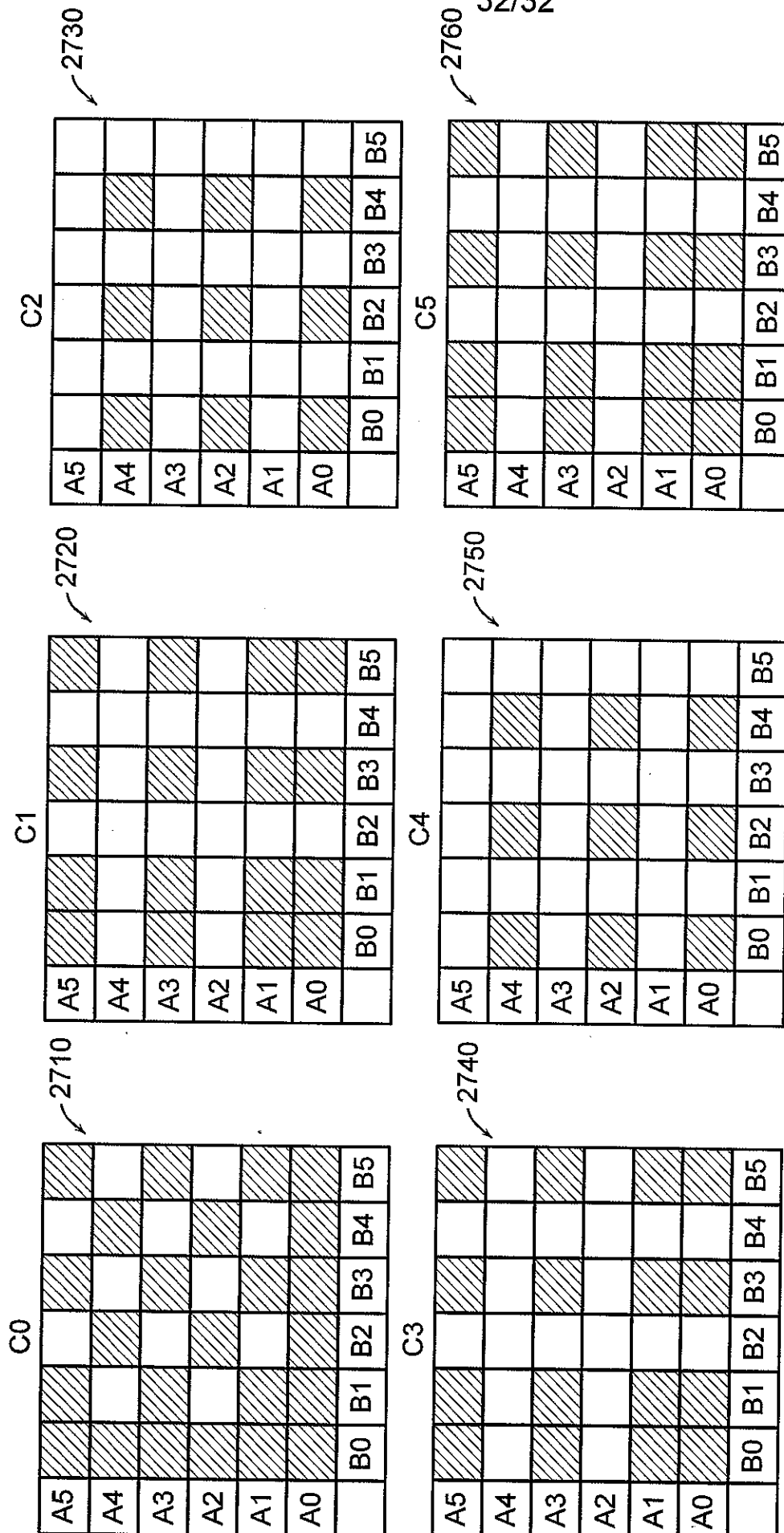


FIG. 27

C5
C4
C3
C2
C1
C0