

(19) (KR)  
(12) (A)

(51) . Int. Cl.<sup>7</sup>  
H01J 17/49

(11)  
(43)

10-2004-0086484  
2004 10 08

(21)	10-2004-7014694		
(22)	2004 09 17		
	2004 09 17		
(86)	PCT/IB2003/000954	(87)	WO 2003/079392
(86)	2003 03 17	(87)	2003 09 25

(30)	02076143.3	2002 03 19	EP(EP)
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(71)	,	,	1
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(72)	,	5656,	6
	,	5656,	6

(74)

:

(54)

(5)	AC	(12)	,			
(11)	,	(11)	.	(8)	(7)	,
	.	(15)	(16)	(2)	.	,
	가					(22)

EP 0 762 373

(2)	(1)	1	가	(2)	2a	2b	
	(5 a1, a2, a3,...,an, an+1...)			1	(4)		
2)	(5)	(4)			(6)		
(4)	2	(7)		(8)			
1 c2	(5)	(3)				(7)	c
	(8 s1, s2, s3...)						
(9)	,	가	(GD)	(5)	(4)	2	
	(7)	(8)	(9)	(UV)	(VL)		

$$\begin{array}{ccccccccc}
 (1) & & & & & & & & \\
 & . & & , & & 1 & & (c1 & s1, c2 & s2, c1 & s3) \\
 & & & , & & 1 & & (s1 & c2, s2 & c1) \\
 \end{array}$$

VGA 1920, ( ). 640 가 가 .

가 가 가

가

2  
가

가

가 ,

가 ,

,  
가 )

(

1

CRT

가 ,

0

, , ,

, ( / )

(PLD)

PLD

가 가 :

PLD가

(ITO)

가

가

가

가 ,

가

가 , 가

가

, (unlit)

가 ,  
(nil)

1 90 °

가 ,  
PLD

1

2A 2B

3A

3B

4

5

6A 6G

7A 7B

7C

8

9

10

11

12

13

1 2A, 2B

(12) 3B	(12) (7 C1, C2)	3A	(8 S1, S2, S3)
(6) (5 A1, A2, A3, A4)	(5) (6)	(5 A1...A4)	(6)
(5) (7)	(8)	(5) (8)	(2)
(11) 가	(7)	가	3
가	(5 a1 a2)	(5 A2)	(5 A1) 1 (A1)
가	a1	가	a2 가

4

(7 C1)	,	(7 C2)
(8 S1, S2, S3, S4, S5)		

3A	가 (PDP)	가	3A 3B
PLD	PLD	R, G B	PLD
가	가	가	가
3B			
가 PLD	PLD (BLR)	G-B-G-B-G R-R-G-G-R-R (R1, R2; G1, G2; B1, B2)	PLD 가 (R1, R2)

5

3

가

가

1

가 2

가 1

5

60 - 70%

가

RGB  
3A 3B , , , ,  
1 RGB . - (delta-nabla)  
3B

a or an)' .

가 ; 9  
가 9  
9 (6) 1 90 °  
10 1 90 °  
(6)  
(R,G,B)

11  
6)  $\gamma$  (6) . , 10 (A1...A4)  
(C1, C2) 11

(6)  $\gamma$  12 (A11...A4)  
(  
) PLD

13  
(17) (20), X- (21) (1) (22) , (19)  
, y- (PLD) (BLR) (18) , (22)  
, (R1, R2; G1, G2; B1, B2)

TV  $\gamma$

AC (12) ,  
(5) (5) (8) (7)  
(11) (11) (15) (16) (2) , ,  
7  $\gamma$  (22)

- 1.
- 2.
- 3.
- 4.
- 5.
- 6.
7. (X)
8. (Y)
- 9.
10. ,
- 11.
- 12.

13.

14.

15.

16.

17.

18.

19.

20. X-

21. Y-

22.

(57)

1.

?

$$1^{\circ}, \quad 90^{\circ}, \quad , \quad ,$$

3

2 (11), (7) (10) (8) (10) (7) (11) (13) (5) (7) (8) 3.

4.

3 , (11) , .

3.

6.

**7.**

3 , (11) (10) ,

**8.**

3 , (11) ,

**9.**

8 , (11) (13) ,

**10.**8 , (11) , , (11) (13)  
) 1**11.**

3 , (5) (13) (14) ,

**12.**1 가 , 1 , (6) 1 2 , 1 2 , , 1  
1 2 , ,**13.**

3 , (11) (10) ,

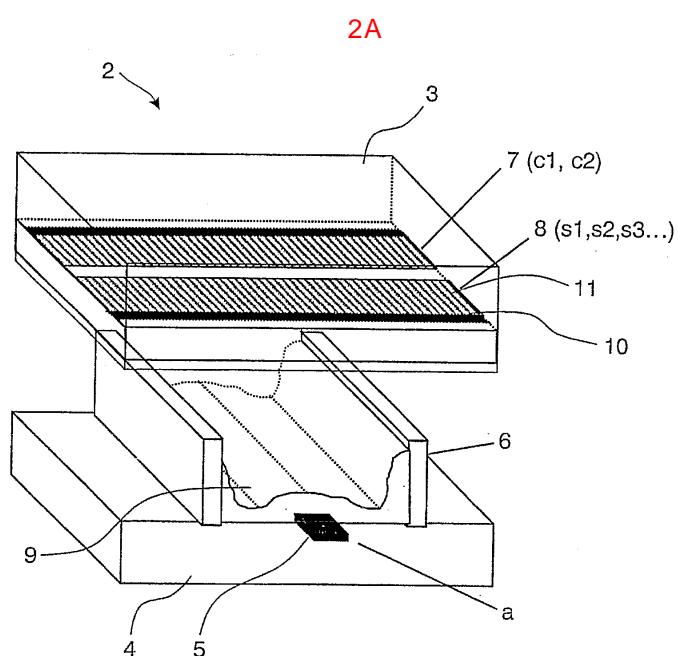
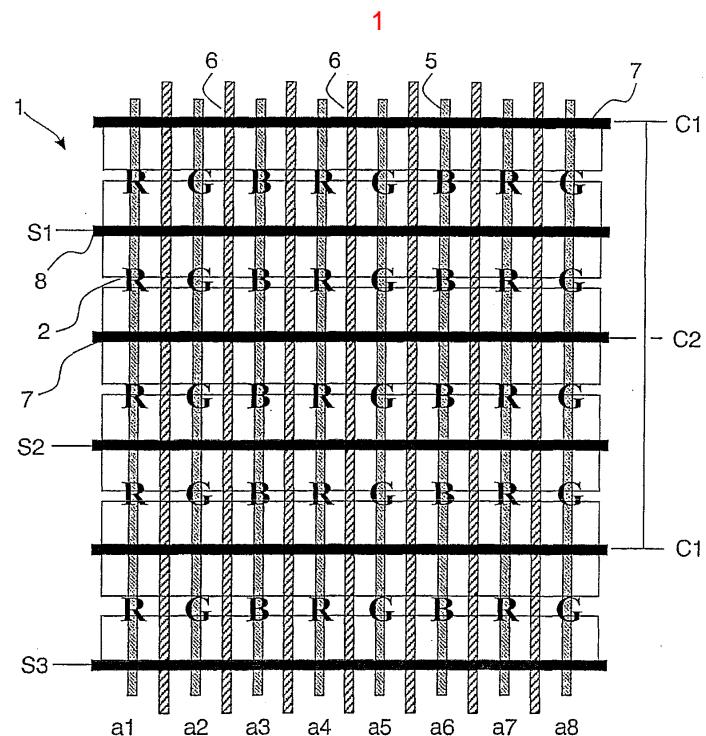
**14.**

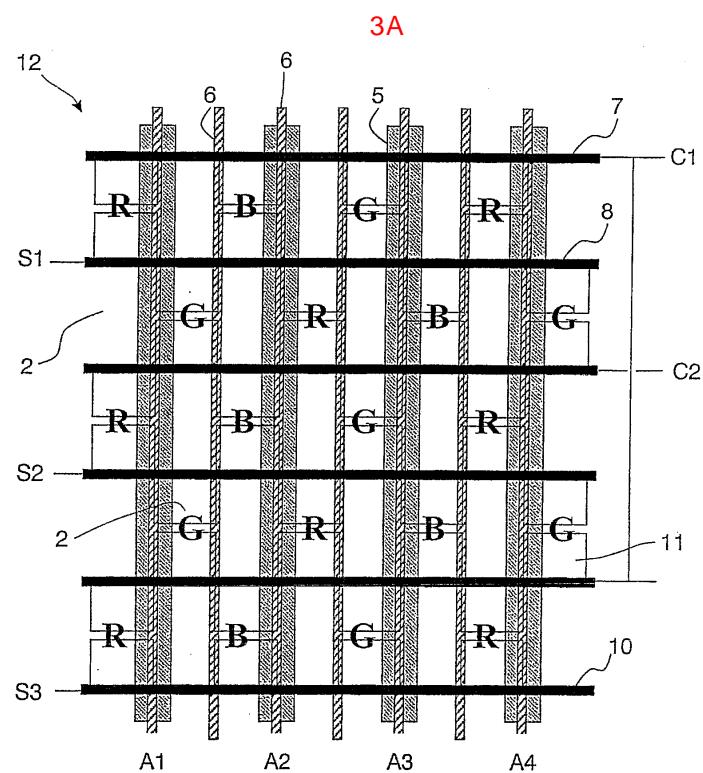
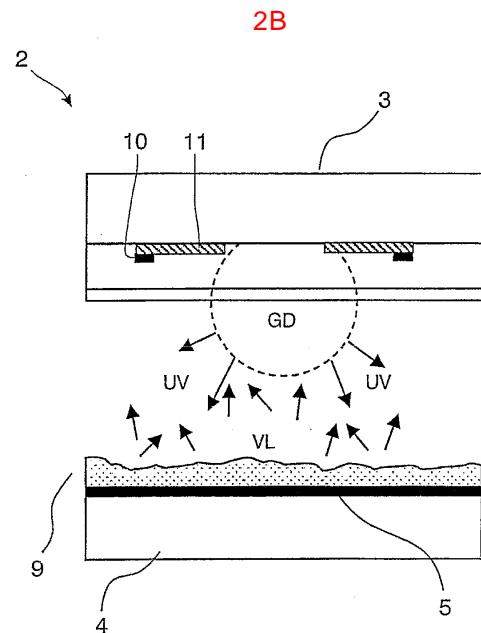
1 , , ,

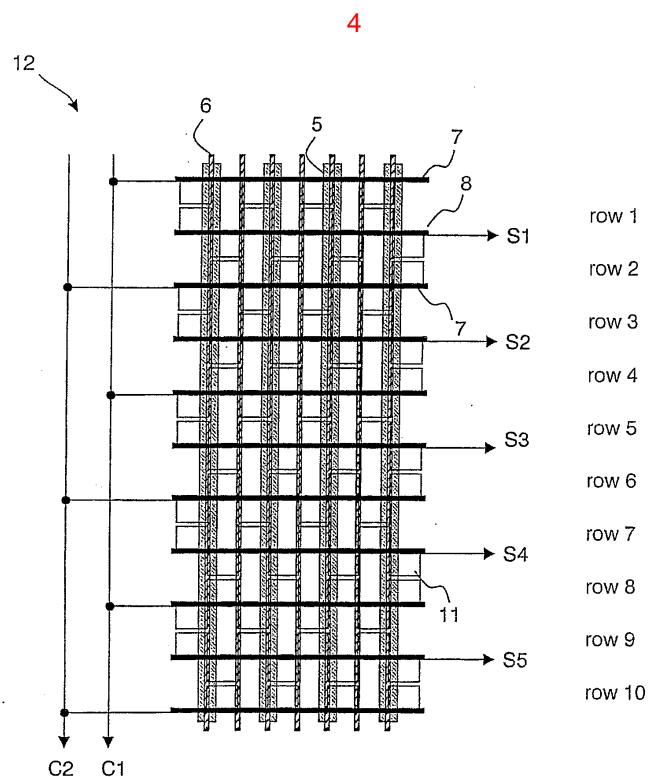
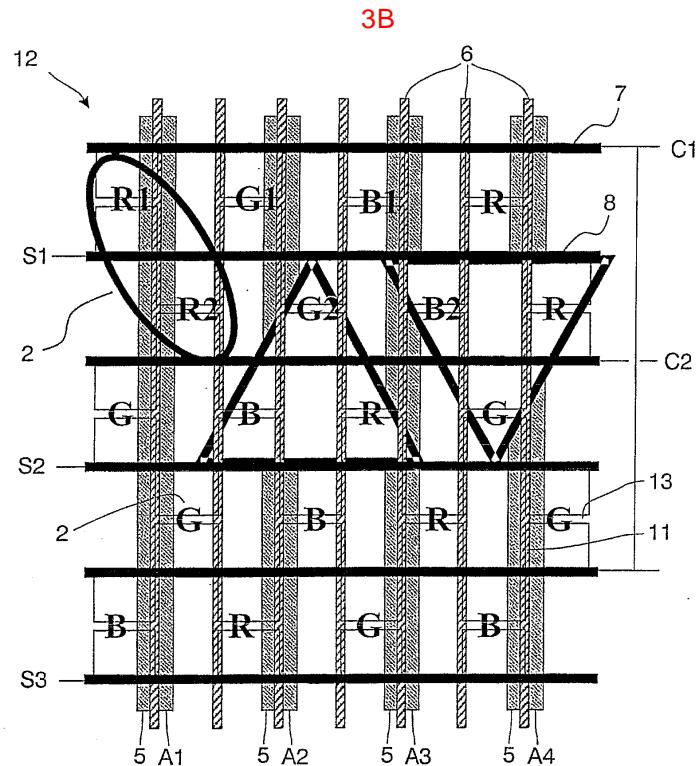
**15.**

1 , (5) ,

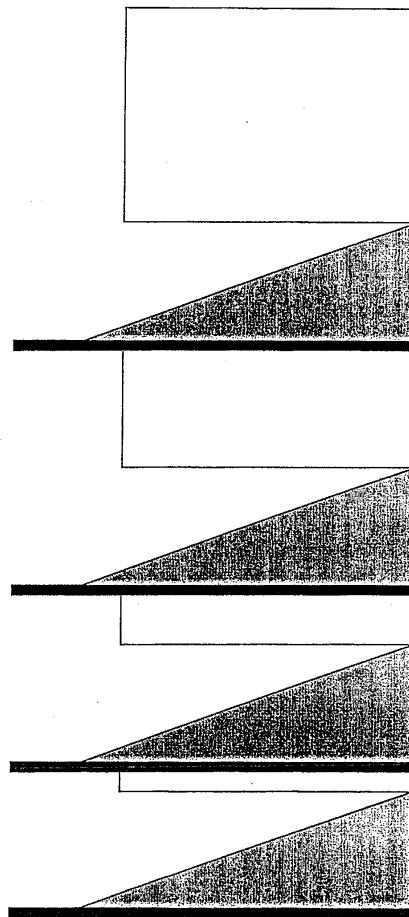
**16.**1 , (17)  
(R1,R2;G1,G2;B1,B2)  
(22) ,



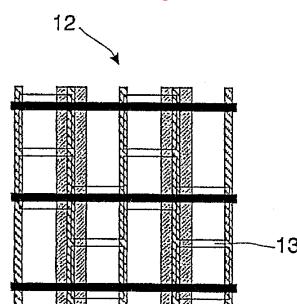




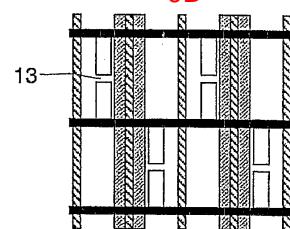
5

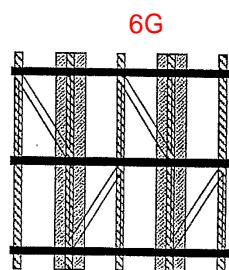
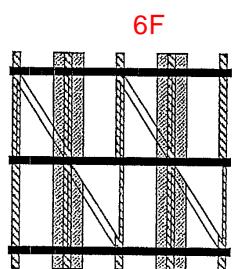
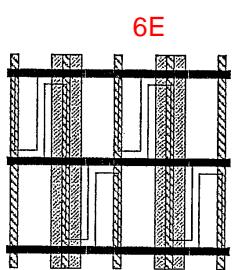
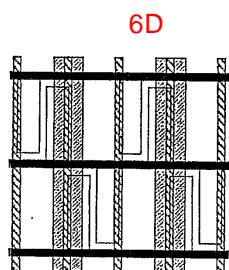
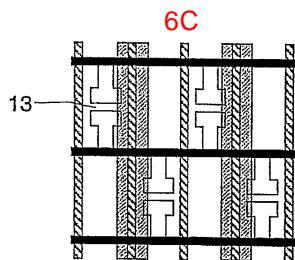


6A



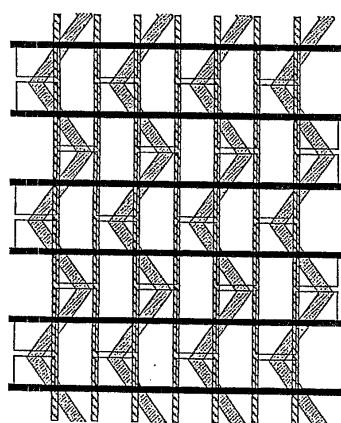
6B



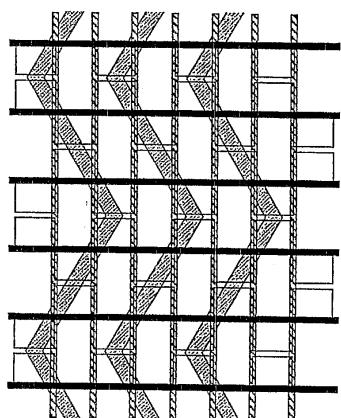


7A

12



7B



7C

14

