



(electroluminescent), (light-emitting), (display element)

(LEDs)

(semiconducting conjugated polymer)

(soluble conjugated polymer)

CVD (spin coating technique)

LCD (DC) (backlight)가

가 (addressing phase) (non-conducting) ( )

(row address period) 가 ( ) 가

EP-A-0717446 LC

CD 0717446 , 2 TFT 2 TFT ( ) , EP-A- 1 TFT 1 TFT ( ) 2 TFT (turn on) ( )

1 TFT 2 TFT , 1 TFT (turn off) , 2 TFT 2 TFT [ (row conductor)] 1 TFT ( )

AMLCD (support)



(zero)

1

2

가 가 가

p- 가 n-

1

2

가

(feeding back)

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

- 1 (2)
- (4) (earth line)(6) (8) (10)
- 가 (10)
- (TFT)(12) , TFT(12) p-

n-

2- (14) 2 TFT TFT(16) TFT(16) TFT(18) (4) (6)  
TFT(18) TFT(16) (20) (6) n- TFT TFT (16) 18) p- TFT (24)  
TFT(12) (28)

(PLED)(22) (20) (21) , PLED(22) PLEDon

8) (8) TFT(12) (low) (14) (2  
(10) (28) (high)가 TFT(18) (20) (lo  
PLED(22) (28) (low)가 TF  
T(18) (20) LED(22) TFT(16)  
(8) TFT (16, 18) (24)

2 TFT(12) (28) (4) (26)가 1  
2 LED

3 TFT(32) TFT(34) 2 2- (30) 가 가  
1 (14) 2 (20) (28)  
2 (30)  
, 2 (14, 30)  
(kick back)

가 /

4 1 (18)가 3 가  
PLED(22) TFT(18) TFT(34) 4  
(34) (30) TFT(16)  
(28) (pulls down)  
PLED (21)가

5 6 5 6

5 (50) (52) (14, 30) (4)  
(54) p- TFT (12)

(50) (52) (54)  
(50) (high) (52) (14, 30)  
(low) (54) TFT(12)  
(50)

6 n- (6) (54) n- (60) (52) (14, 30)  
 TFT(12)

(60) (52) (54)  
 (50) (low) (52) (14 30)  
 (high) (54) TFT(12)

7 (70) (72) (2) (10)

7 (50) (6) 5  
 (74) (10) (76)  
 (50, 6) (8)  
 (4, 6) 1 4 (1 4)

가 가 , , ,  
 가 ,  
 (electrochromic displays),

(57)

1.

(2) ,

(visual output) (22) ,

8) (20) 2 가 (14 30) , (2)

2.

1 (22) ,

3.

1 2 (10) ,

(8) ,

(28)

(12) (8) (10) ,  
 (28) ,

3 4. ,  
 (16) , (22) 1 (4) (20)  
 (28) ,  
 (30)

4 5. , (18) (20) 2 (6) , (16)  
 (16) (14)

3 6. 5 , (20) ,

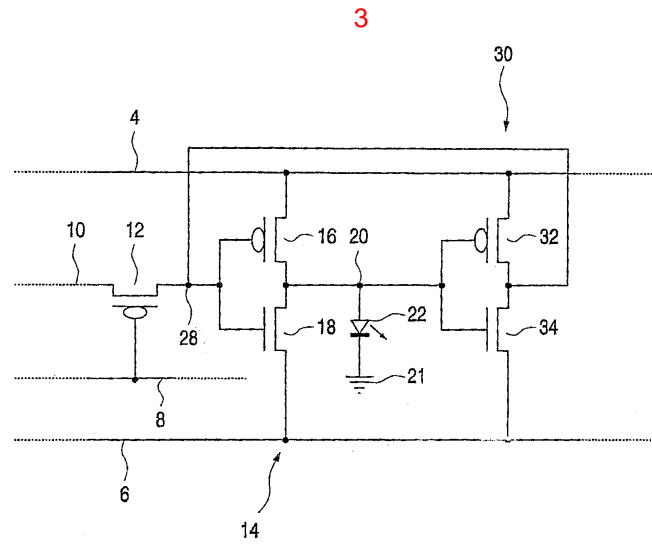
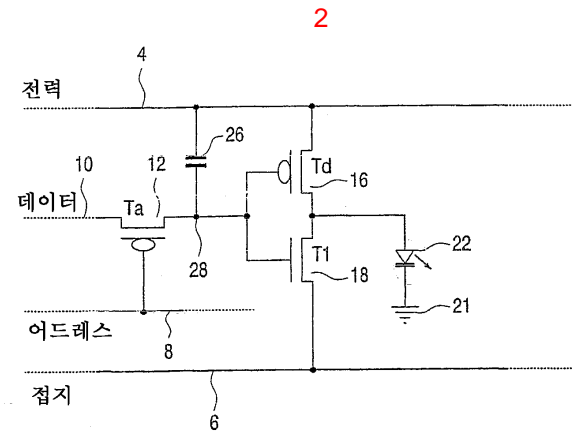
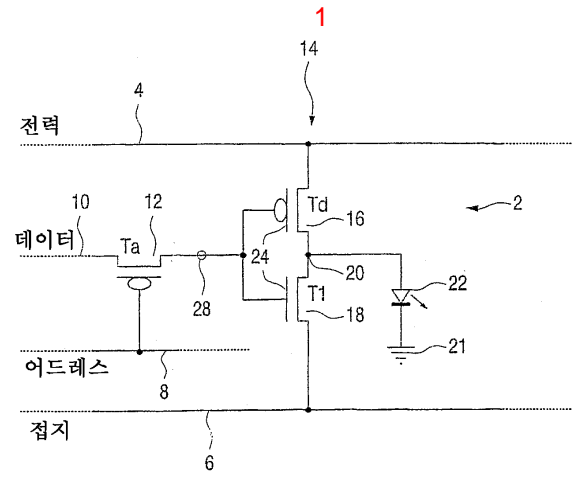
3 7. 6 , (50 60) (an adjacent row)

7 8. , p- (12) , (50)

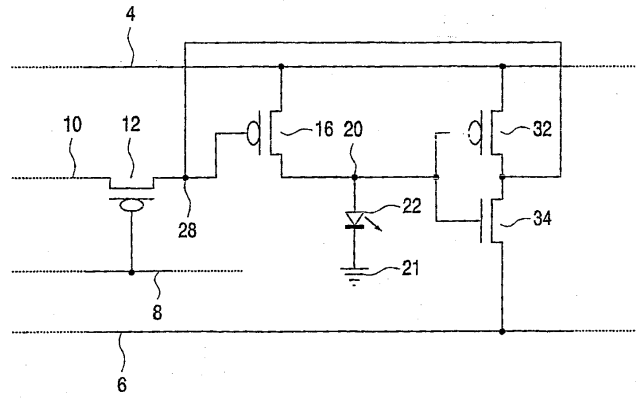
3 9. 7 , (12) n- , (60)

10. (16) (30) , (2)

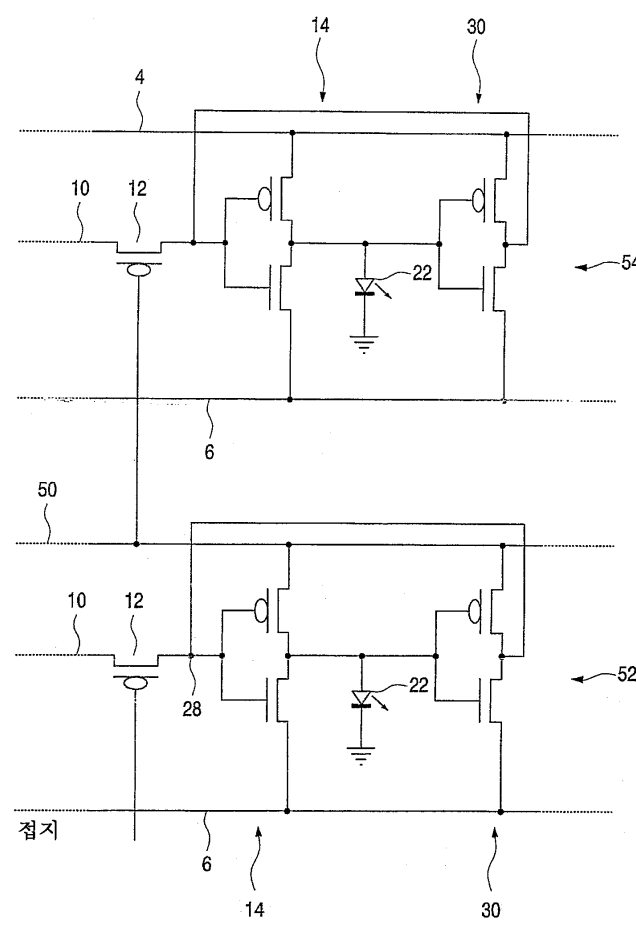
(22) 가 ,  
 (inverting operation) ,  
 (feeding back)



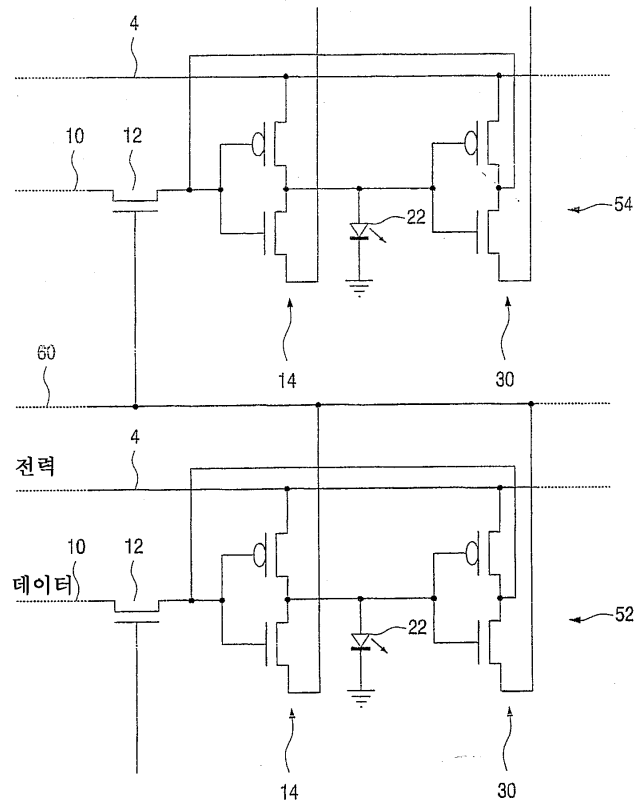
4



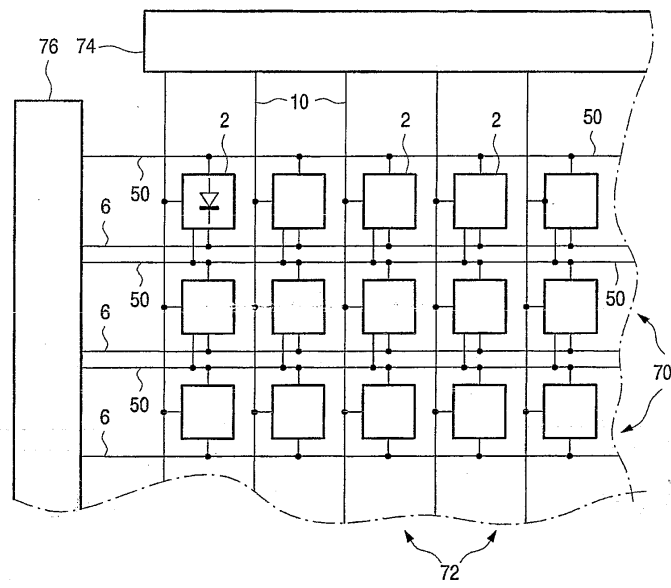
5



6



7



专利名称(译)	有源矩阵电致发光显示器		
公开(公告)号	<a href="#">KR1020050007301A</a>	公开(公告)日	2005-01-17
申请号	KR1020047016639	申请日	2003-04-01
[标]申请(专利权)人(译)	统宝光电股份有限公司 探戈比赛显示组织细胞操作		
申请(专利权)人(译)	证明来显示组织细胞操作		
当前申请(专利权)人(译)	证明来显示组织细胞操作		
[标]发明人	LIFKA HERBERT CHILDS MARK J JOHNSON MARK J		
发明人	리프카허벌트 칠드스마크,제이. 존슨마크,제이.		
IPC分类号	H01L51/50 G09G3/30 G09G3/32 G09G3/20		
CPC分类号	G09G2300/0842 G09G2300/0465 G09G2300/0857 G09G2320/0233 G09G3/3233 G09G2300/0847 G09G3/3258		
代理人(译)	李昌勋		
优先权	2002008656 2002-04-16 GB		
外部链接	<a href="#">Espacenet</a>		

摘要(译)

显示元件 ( 22 ) 可以被称为用于显示器的驱动电路, 包括用于驱动的电  
路中的2的晶体管反相器 ( 14,30 ) 是有机发光二极管。该实施例包括连  
接到输入节点 ( 28 ) 的反馈。低, 列, 像素, 显示元件, 逆变器, 节  
点, 驱动, 有机发光二极管, 数据线。

