

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

(51) 。 Int. Cl. ⁷
G09G 3/30 (11) 2002 - 0087357
(43) 2002 11 22

(21) 10 - 2002 - 0026346
(22) 2002 05 14

(30) 09/858,109 2001 05 15 (US)
(71) 343
(72) 14625 36
(74)

(54) O L E D

OLED

가

,

,

,

가

2

1

,

2

,

3

,

가

,

4 , (common substrate) (package)
가 .

4 : 6 :

7 : 8 :

12 : 14 :

18 : 24 :

, (organic light emitting diode ; OLED) (flat - panel display)
(active matrix) OLED
(aging effect) .

(OLED) (computing device)
, 가 ,
(imaging) (electronic component) (degradation)

, OLED (color dependent)
(efficiency) (brightness)

, (power efficiency) (color balance)
(color rendition) , 가 .

OLED (1) , (data signal)
(capacitor)(4) (associated control circuit)
(data line)(1) (select line)(3) (transistor)(2)
(6) (power supply)(8) (ground) (7)
(gate)

, , (power sup
ply voltage) 가 , (recalibrated) , (intervention) 가 .

OLED

가
 (programmable power supply) , (light output) (fe
 edback signal) (sensor) ,
 가 (display controller)
 OLED

가
 (accuracy) ,
 가
 (operational characteristic)

2
 가 (20) , (10) , (14) , (12) ,
 (24) (18) , (24) (12) , (18)
 (14) (14)
 (20)

3
 7) (separate sensor) (25,26,27) 가 , (15,16,1
 (21,22,23) (25,26,27) (18)
 (power line) (31,32,33)
 (25 - 27) (1)
 8) (25 - 27) (15 - 17) , ,
 (separate signal) (separate line)
 가 , , (shared signal line)

가

가

가

()

가

29 , 1988 9 6 Tang 4,769,292 , 1991 10
 VanSlyke 5,061,569 ()
 OLED(small molecular polymeric OLED) (Organic Light Emitting Diodes ; OLE
 D) .

(57)

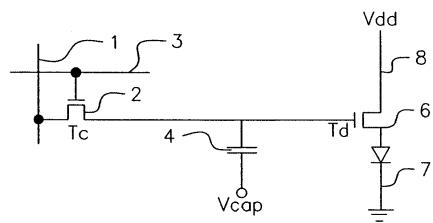
1.

OLED (active matrix OLED flat - panel display) ,

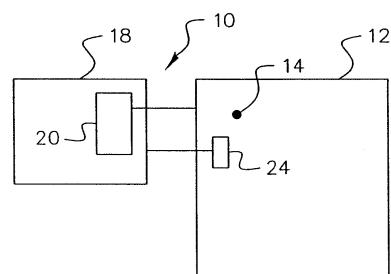
- a) (light emitting element) (associated control circuit) ,
 - b) 가 (programmable power supply) ,
 - c) (light output) (feedback signal)
(sensor) ,
 - d) (compensating)

OLED

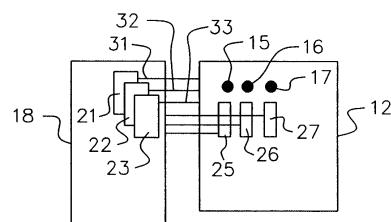
1
(종래기술)



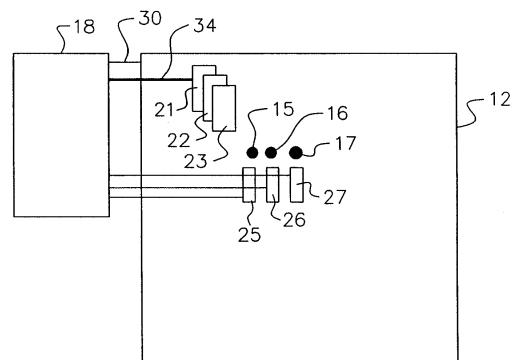
2



3



4



专利名称(译)	有源矩阵OLED平板显示器		
公开(公告)号	KR1020020087357A	公开(公告)日	2002-11-22
申请号	KR1020020026346	申请日	2002-05-14
[标]申请(专利权)人(译)	伊斯曼柯达公司		
申请(专利权)人(译)	柯达公司针		
当前申请(专利权)人(译)	柯达公司针		
[标]发明人	COK RONALDSTEVEN		
发明人	COK, RONALDSTEVEN		
IPC分类号	G09G3/30 H01L51/50 G09G3/32 G09G3/20		
CPC分类号	G09G2320/045 G09G2360/145 G09G2300/0842 G09G2320/043 G09G2300/0809 G09G2320/029 G09G3/3233 G09G3/3258 G09G2360/148		
代理人(译)	KIM, CHANG SE KIM , WON JOON		
优先权	09/858109 2001-05-15 US		
外部链接	Espacenet		

摘要(译)

有源矩阵OLED平板显示器包括与多个发光二极管相关联的控制电路和显示控制器，显示控制器响应于反馈信号对控制电路中的可编程电源进行编程，以便补偿光功率的变化。从可能的链式程序电源和传感器，感测至少一个发光二极管的光功率并产生反馈信号和发光二极管。

