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(22) 2004 03 13

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(71) 343

(72) 14624 19

14468 36

14468 95

14620 949

(74)

:

(54) O L E D

,
ED, OLED, 가 (gamut) 가 OLED ; 가 OLED ;
가 OLED ;

OL
OLED
/ 가 가 , 가 OLED ;
OLED

3

1 OLED

2 OLED

3

OLED

5 , , OLED 가 , OLED
CIE .

6 가

7 가 (tradeoff)

8 . 가 , 3 4

9

10

20 - 22 -

24 - 26 -

28 - 42 -

44 - OLED 46 - OLED

48 - OLED 50 - 가 OLED

52 -

(OLED) - (full color)
OLED

OLED , OLED
 , 가 가 OLED , 가 OLED
 OLED ; OLED,
 가 OLED ;
 가 OLED /
 OLED , OLED
 , 3 3 OLED ,
 OLED
 / 가 OLED
 3 OLED
 ()' (, () 가 /
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 가 가 ,
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 , , , / OLED
 , , ,
 가 , ()
 - OLED , 3 3 ,
 , ,
 / 가
 , ,
 (24), 2 3 4 3 3 , (28) , , , (20), (20) , (22),
 (26) (26) (28) , , , ,
 (22)
 () (logic) (24) , EPROMS, EEPROMS, 가
 , ,
 (26) , 3 , ,

(28) , , 3
OLED , 가 OLED OLED 2002 12 16
OLED
OLED
USSN 10/320,195 . 가 4

4 (42) (28) (28) (4)
 2) 4 OLED . . . (44), (46) (48) . . . 3 OLED (48) OLED
 . . . 가 OLED(50) . . . (44), (46) (48) (R,G,B) OLED
 .
 5 , , (W) OLED
 (52), (52) (W) OLED

6
 , 가 () 가 7 (colorfulness)'(54), (60).
 (56) OLED
 (slider)'가
 () (setup) (62), (22) (22) (62).
 (64). OLED
 OLED
 (F1) 가 (F2) (24) (24) (look up) (66).
 (66).
 , (22)
 (68).
 3 OLED

3 가 4
3 가 8 . , 가 (F2)
(F1) OLED
-가 (in-gamut) OLED (F1) 1.0
, 가 1.0) , 가 , 가
가 , 가 , 가

8 , OLED CIE 가 (82). , 가 (44), (46) (48) OLED . 1, 2 3 (80).

$$Y_r = \frac{y_r(x_w(-y_b + y_g) + x_g(y_b - y_w) + x_b(-y_g + y_w))Y_w}{(x_g y_b - x_r y_b - x_b y_g + x_r y_g + x_b y_r - x_g y_r)Y_w}$$

4

가 (122).
 가 (124).

$$L_c = cL_b + (c-1)\left(\frac{IR}{\pi}\right)$$

$$L = L_i + \frac{La - Li}{t}$$

L ,
| (140)

t (144 146)

, 가 , 가 (150).
(148) (150) (154).
(152) 7

, 가 가 , 가
 , , 가 , 가 , 가
 ,) 가 , , 가 , , OLED 가 (

가, 3 OLED,
가 OLED
3 OLED
가 OLED
가
가

(, saturation)

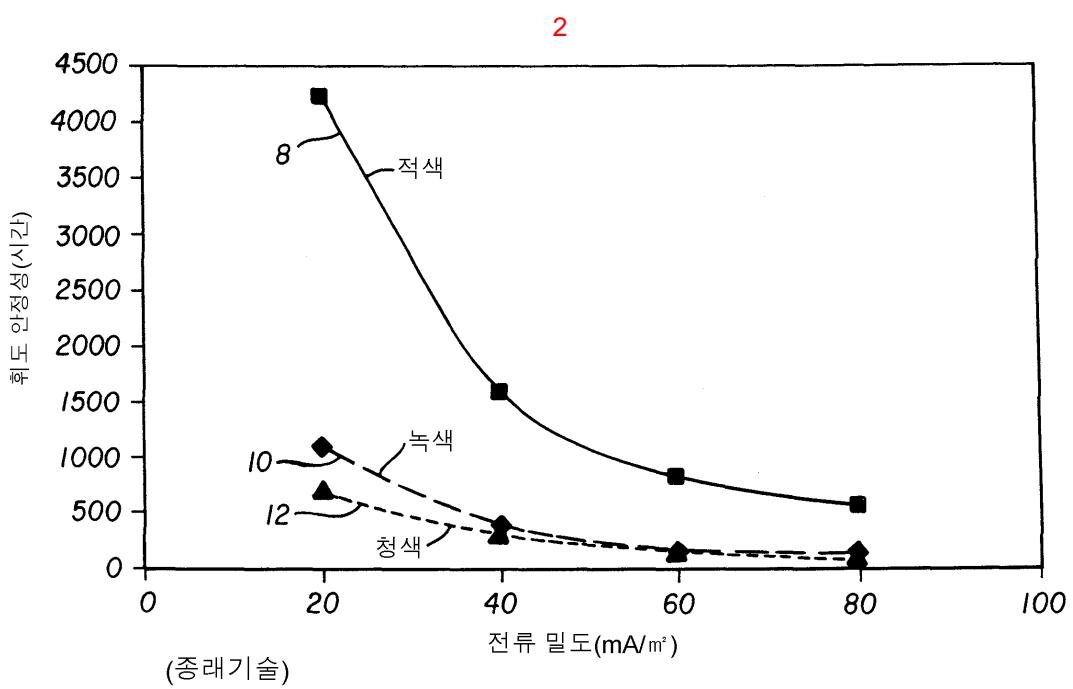
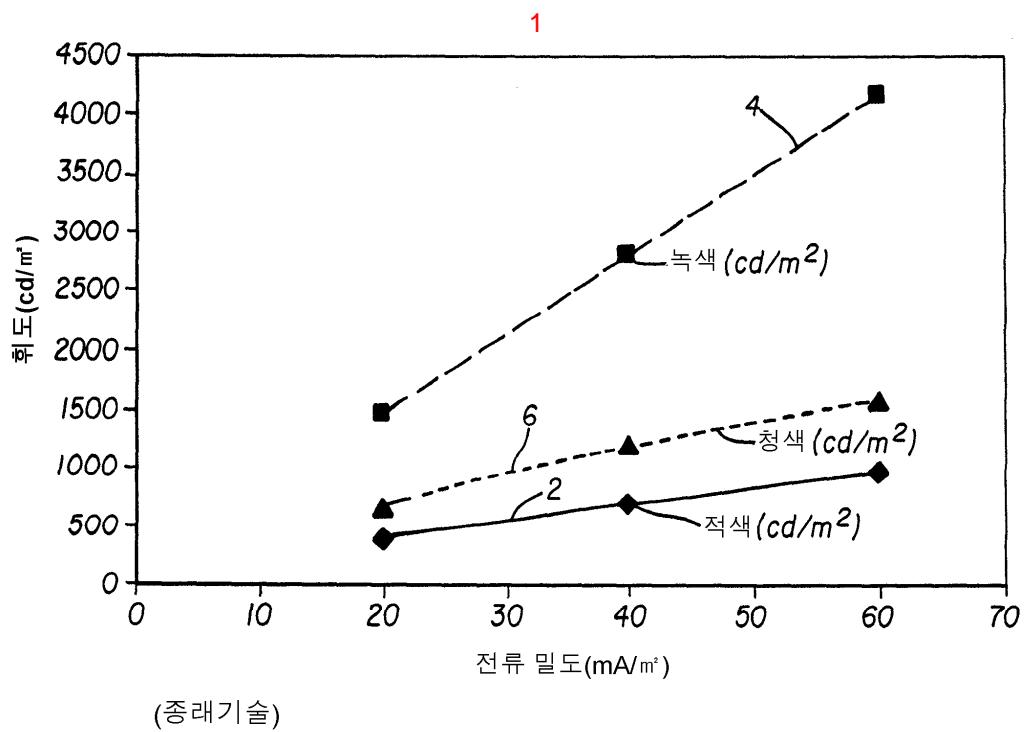
(57)

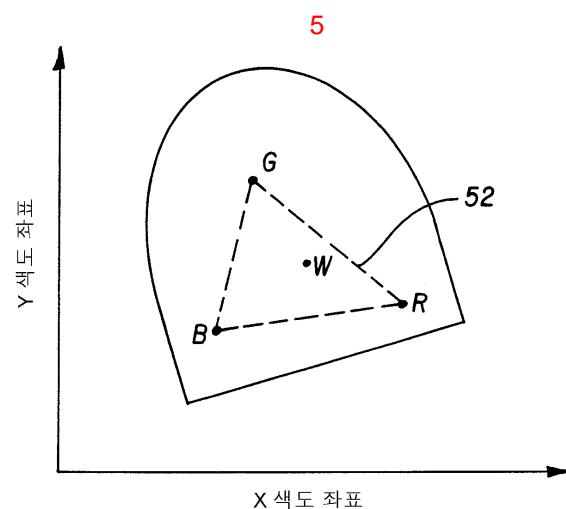
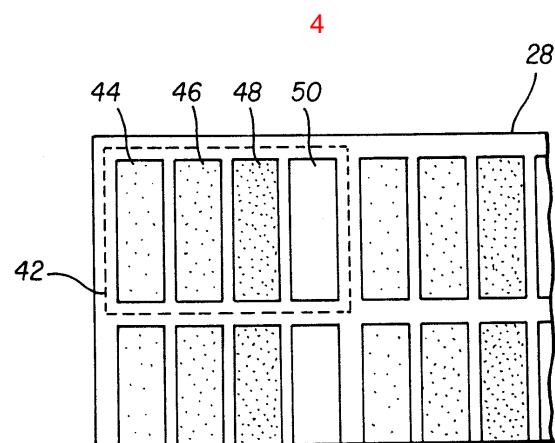
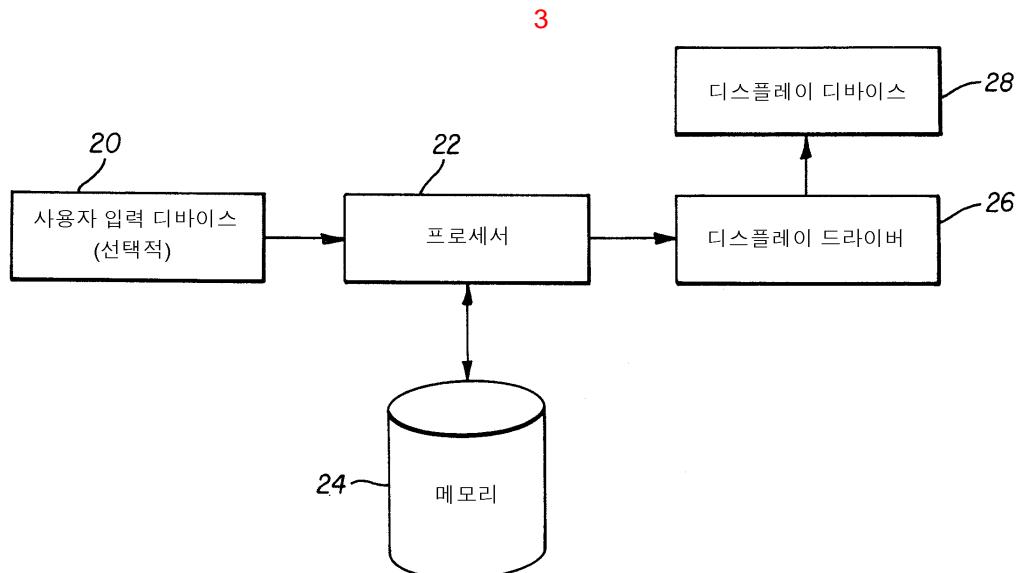
1.

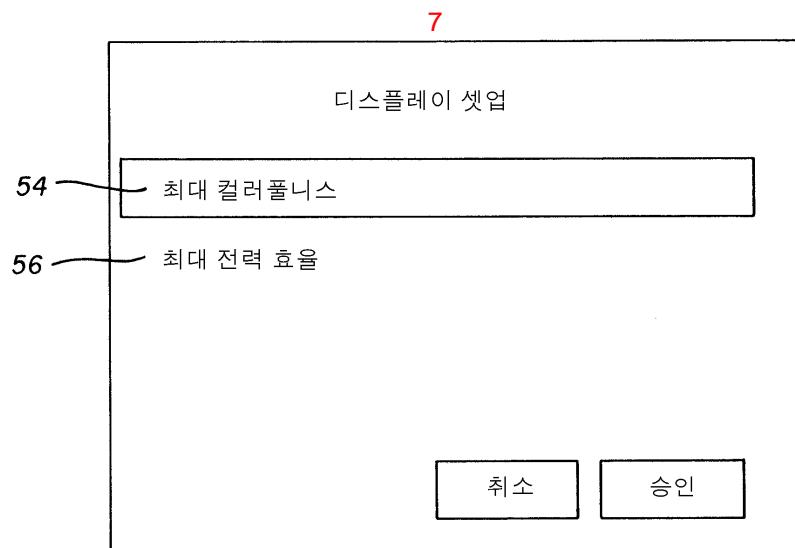
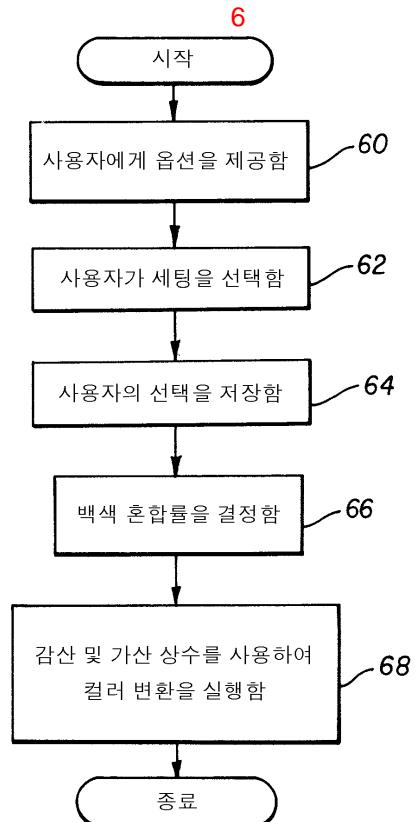
- a) OLED, 가 (gamut) OLED, 가 OLED,

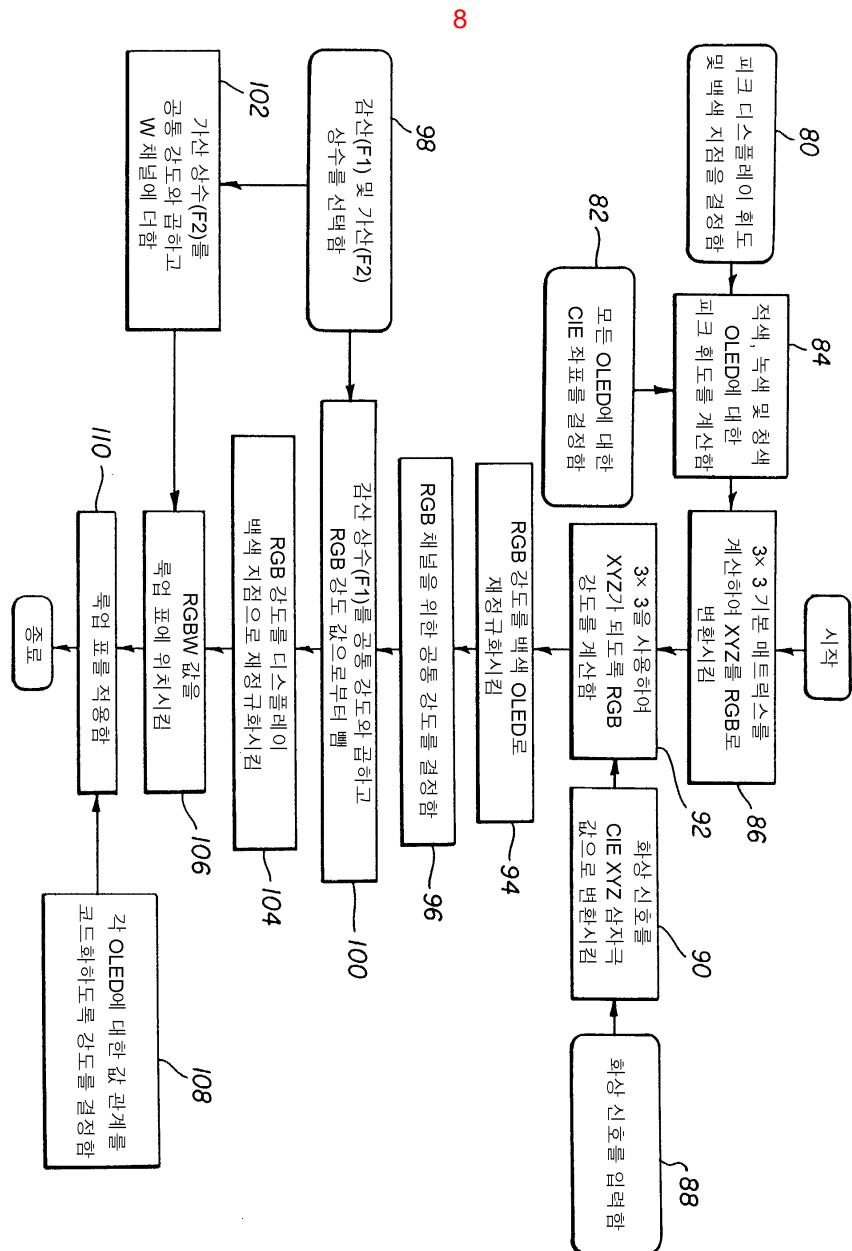
b) ; 가 OLED ;

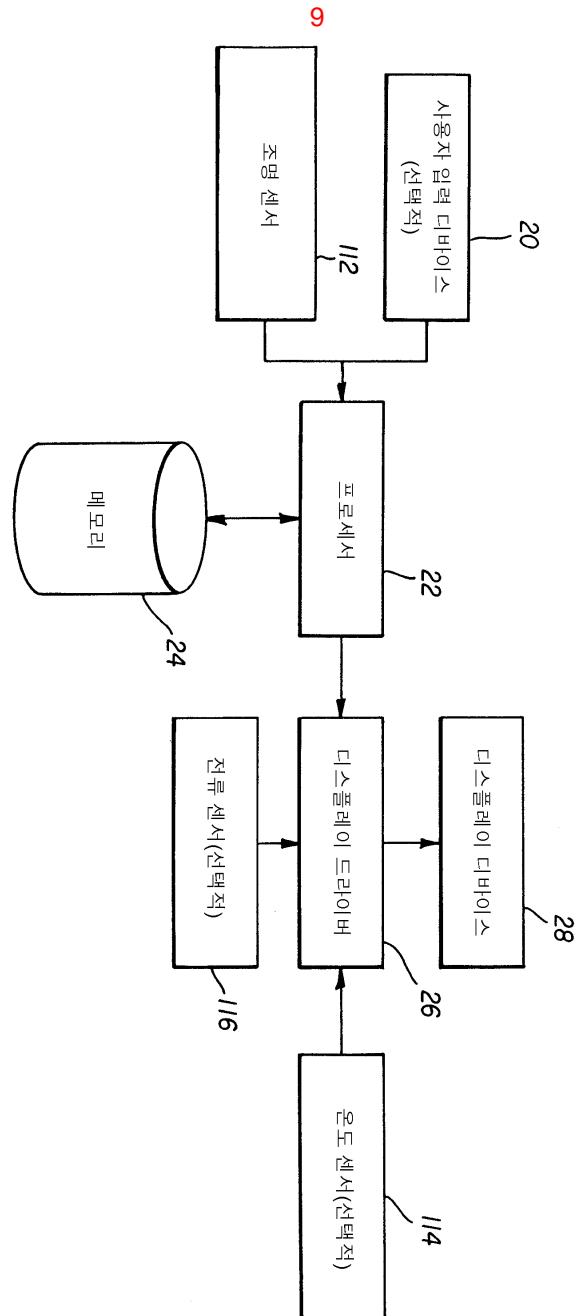
c) OLED / 가 , 가 OLED ,

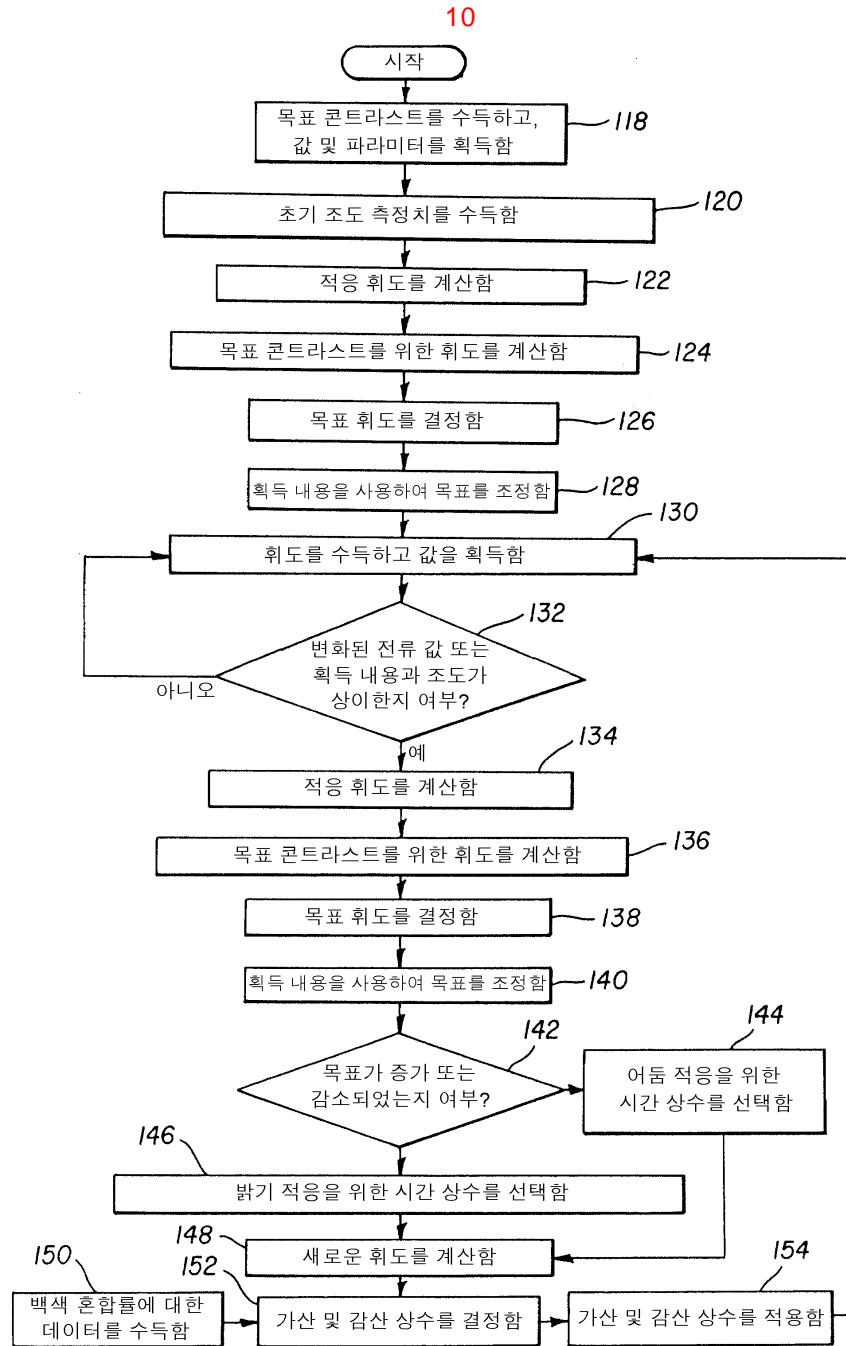












专利名称(译)	彩色OLED显示系统		
公开(公告)号	KR1020040081394A	公开(公告)日	2004-09-21
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[标]申请(专利权)人(译)	全球OLED TECH		
申请(专利权)人(译)	글로벌오엘아이디테크놀러지엘엘씨		
当前申请(专利权)人(译)	글로벌오엘아이디테크놀러지엘엘씨		
[标]发明人	MILLER MICHAEL EUGENE 밀러마이클유전 COK RONALDS 콕로날드에스 ARNOLD ANDREW DANIEL 아놀드앤드류다니엘 MURDOCH MICHAEL J 머독마이클제이		
发明人	밀러마이클유전 콕로날드에스 아놀드앤드류다니엘 머독마이클제이		
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外部链接	Espacenet		

摘要(译)

本发明涉及具有发光像素排列(阵列)的显示装置。并且多个显示驱动器具有至少一个用于释放OLED和色域内的彩色光的附加OLED，并用于产生用于接受显示器的每个像素的相对亮度的转换彩色图像信号和用于产生显示该贡献的控制信号的装置朝向显示器的光功率，其中在多个OLED之间提供额外OLED的功率效率，其中显示装置高于至少一个：产生附加OLED并且显示颜色和驱动OLED的标准彩色图像信号显示在每个像素的色域特定的各种颜色的光被释放它是关于OLED显示系统，其包括显示驱动器对控制信号作出反应以控制由附加OLED产生的光量，显示器的功率效率增加并且它变成或显示装置的退化速度下降。

