



(19)  
(12)

(KR)  
(B1)

(45)  
(11)  
(24)

2010 04 15  
10-0952837  
2010 04 06

(51)	Int. Cl.		(73)		
	G09G 3/30 (2006.01)	G09G 3/32 (2006.01)			24
	G09G 3/20 (2006.01)	H01L 51/50 (2006.01)			
(21)	10-2008-0073542		(72)		
(22)	2008 07 28				
	2008 07 28				428-5 SDI
(65)	10-2010-0012247				
(43)	2010 02 08				
(56)					428-5 SDI
	KR1020060128464 A*		(74)		
	KR1020070019882 A*				
	KR1020080002226 A				
	KR1020080028222 A				
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(54)

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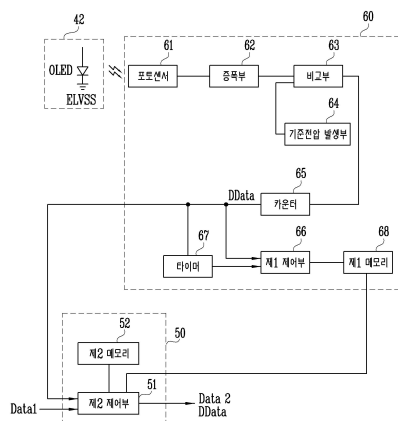
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11			
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		2	
		2	
12			
11	,		
		1	
		2	
13			
12	,		
			2

[0001]

[0002]

	(Cathode Ray Tube)		
		(Liquid Crystal Display),	(Field Emission
Display),		(Plasma Display Panel)	(Organic Light Emitting
Display)			

[0003]

(Organic Light Emitting Diode : OLED)

[0004]

1

[0005]

1

(Sn)

(4)

(OLED)

(2)

(OLED)

(Dn)

[0006]

(OLED)

(2)

2

(ELVSS)

(OLED)

(2)

[0007]

(2)

(Sn)

(Dn)

(OLED)

(2)

1

(ELVD)

(OLED)

2

(M)

2

(M)

(Dn)

(Sn)

1

(M)

2

(M)

1

(O)

[0008]

1

(M)

(Sn)

1

(Dn)

1

(M)

2

(O)

1

2

1

(Sn)

(Dn)

1

(M)

(Sn)

(Dn)

(O)

(O)

[0009]

2

(M)

(O)

1

(O)

1

(ELVD)

2

(M)

2

(OLED)

2

(M)

(O)

1

(ELVD)

(OLED)

2

(ELVSS)

(OLED)

2

(M)

[0010]

(4)

(M)

1 (ELVD)

2 (ELVSS)

2

(OLED)

(OLED)

2

(M)

[0011]

(OLED)

(OLED)

[0012]

[0013]

[0014]

[0015]

2  
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1  
2

[0016]

[0017]

2 6

[0018]

2  
2 X , Y  
"1"

[0019]

2  
5 37%

[0020]

3

[0021]

3

1023 ) , "B" Q 5 "B" "B" ( "A" Q 7 "A", "B"

[0022]

[0023]

4a 4b

[0024]

4a T ( ) Q 7T

- (T) 70%
- [0025] , 4b  
 , "A" 0.8T , "B"  
 0.9T
- [0026] (T)  
 "01111111"  
 4b
- [0027] 5
- [0028] 5 (S1 Sn+1) (DI  
 Dn) (30) (40) (Sn+1) (DI)  
 (42) (S1 Sn+1) (10)  
 (DI Dn) (20) (10) (20)  
 (50) (40)  
 (60)
- [0029] (40) 1 (ELVD) 2 (ELVSS) 1 (ELVD) 2  
 (ELVSS) (40) (40) (30)  
 (40) , 1
- [0030] (42) 1 (ELVD) 2 (ELVD) 1 (ELVD) 2  
 (ELVSS) (42) (42)  
 (42)
- [0031] (10) (S1 Sn+1) (40)  
 (42) (40) (42)
- [0032] (20) (DI Dn)  
 (40) 2 (40) 1  
 (40) ( )  
 (20) (42) 1 2 (42)
- [0033] (50) ( ) (DCS) (DCS)  
 (SCS) (50) (DCS) (2)  
 0 (SCS) (10)
- [0034] (50) (40) 1 (Data1) ( )  
 ( )  
 (40) (50) (60)  
 (40) 1 (Data1)  
 2 (Data2) 2 (Data2) (20)  
 (50) (60) (Data) (20)
- [0035] (60) (42) (42)  
 (Data) (60) (Data)

( ) , (DDat a) (50)

- [0036] 6 5
- [0037] 6 , (60) (61), (62), (63),  
(64), (65), 1 (66), (67) 1 (68)
- [0038] (61) (42) (LED)  
(61) (42)
- [0039] (62) (63)
- [0040] (63) (64)
- (65)
- [0041] (64) (63) (42)  
(62)
- [0042] (42) (DDat a)  
(DDat a) (DDat a)  
(64) ( , 4a 0.7T ) (42)  
(63)
- [0043] (65) (63)  
(DDat a) (LED)
- (65) (DDat a) (42)
- [0044] (65) (DDat a)  
(42) (65)  
(DDat a) (62) (LED)
- [0045] (67) (42) (67) (DDat a)  
(42)
- [0046] 1 (66) (DDat a) (42) 1 (68)  
, 1 (66) (42) (DDat a) 1  
(68) ( , 1 ) 1 (66) 1000 (DDat a)  
( , 1 ) 1 (68)
- [0047] (50) 2 (51) 2 (52)  
(50) (51) 2 (52)
- [0048] 2 (51) (60) (DDat a) (20)  
, 2 (51) 1 (Data1) 2  
(52)
- [0049] , 2 (51) 2 (52) 1 (68)  
(DDat a) 2 (Data2) , 2 (Data2)  
(20)
- [0050] (40) 1 (Data1) 2 (51) (40)  
(40) (40)

2 (51) 1 (68) (40) (DDat a)  
 (51) 1 (Dat a1)  
 2 (Dat a2) , 2 (Dat a2) (20)  
 [0051] 2 (52) (40) (40)

[0052] (DDat a)  
 (42) (42) (61) (62)  
 (63)

[0053] (63) (65)  
 (65) (DDat a) 2 (51) (DDat a) 2 (51)  
 (DDat a) (20)

[0054] (60) (50)  
 (42) , 1 (66) (67) (42)  
 (DDat a) 1 (68) 1 (68)  
 (DDat a)

[0055] 2 (51) (40) 1 (Dat a1)  
 2 (52) , 2 (51) 1 (Dat a1)  
 2 (52) 1  
 (68) 2 (51) 1 (Dat a1) 2  
 (Dat a2) , 2 (Dat a2) (20)

[0056] (20) 2 (Dat a2)

[0057] 2 (Dat a2)

[0058] 1

**1**

[0059]  $Da2 = Da1 \times F(t) / DDa( )$

[0060] 1 DDa( ) , F(t) (42)  
 (DDa)

[0061] 1 (40) , t 2  
 (Dat a2) , 2 (Dat a2) 1 (Dat a1)  
 2 factor

**2**

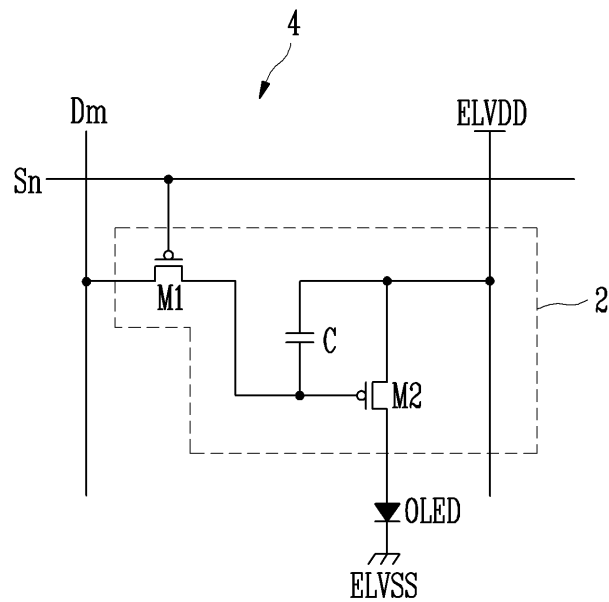
[0062]  $Da2 = Da1 \times F(t) / DDa( ) \times factor$

[0063] 2 factor ,  
 factor 0.7 4a 70%

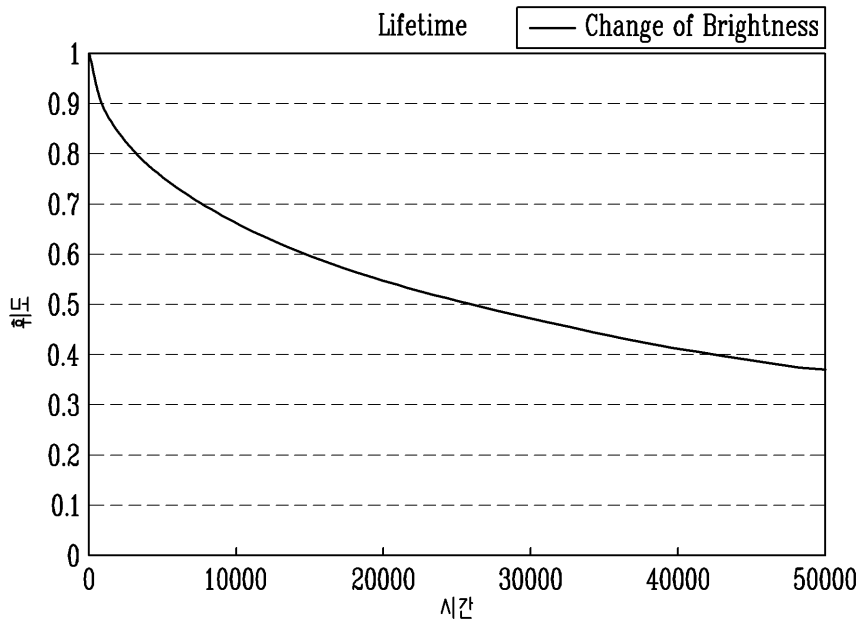
[0064]

[0065]	1	
[0066]	2	
[0067]	3	
[0068]	4a	4b
[0069]	5	
[0070]	6	5
[0071]		< >
[0072]	2 :	4 :
[0073]	10 :	20 :
[0074]	30 :	40 :
[0075]	42 :	50 :
[0076]	51, 66 :	52, 68 :
[0077]	60 :	61 :
[0078]	62 :	63 :
[0079]	64 :	65 :
[0080]	67 :	

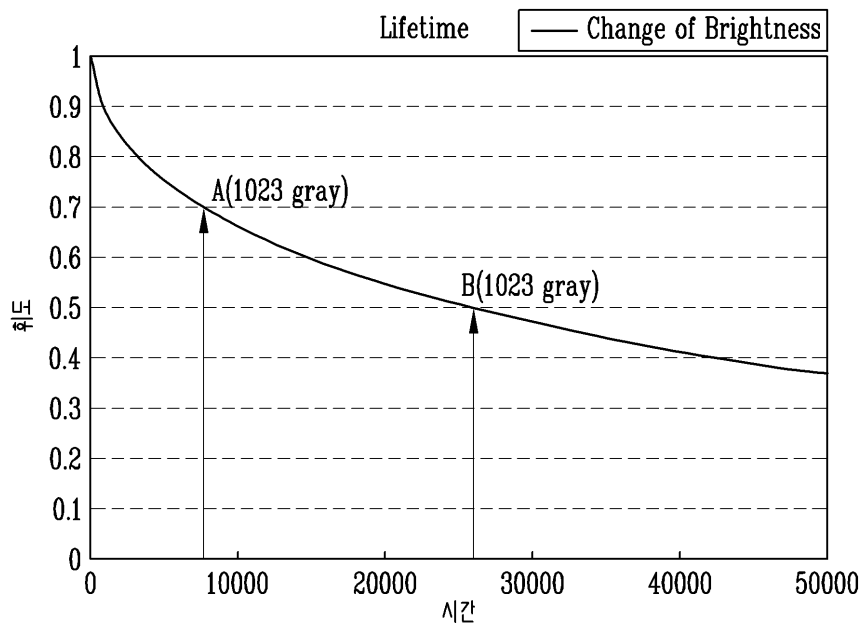
1



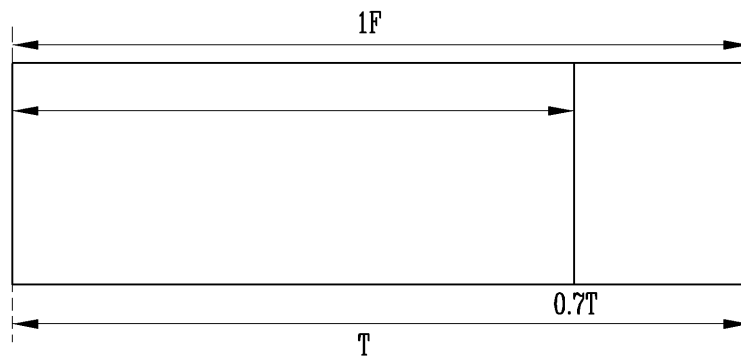
2



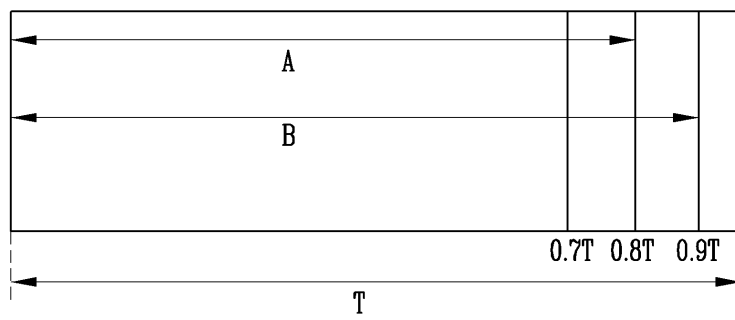
3



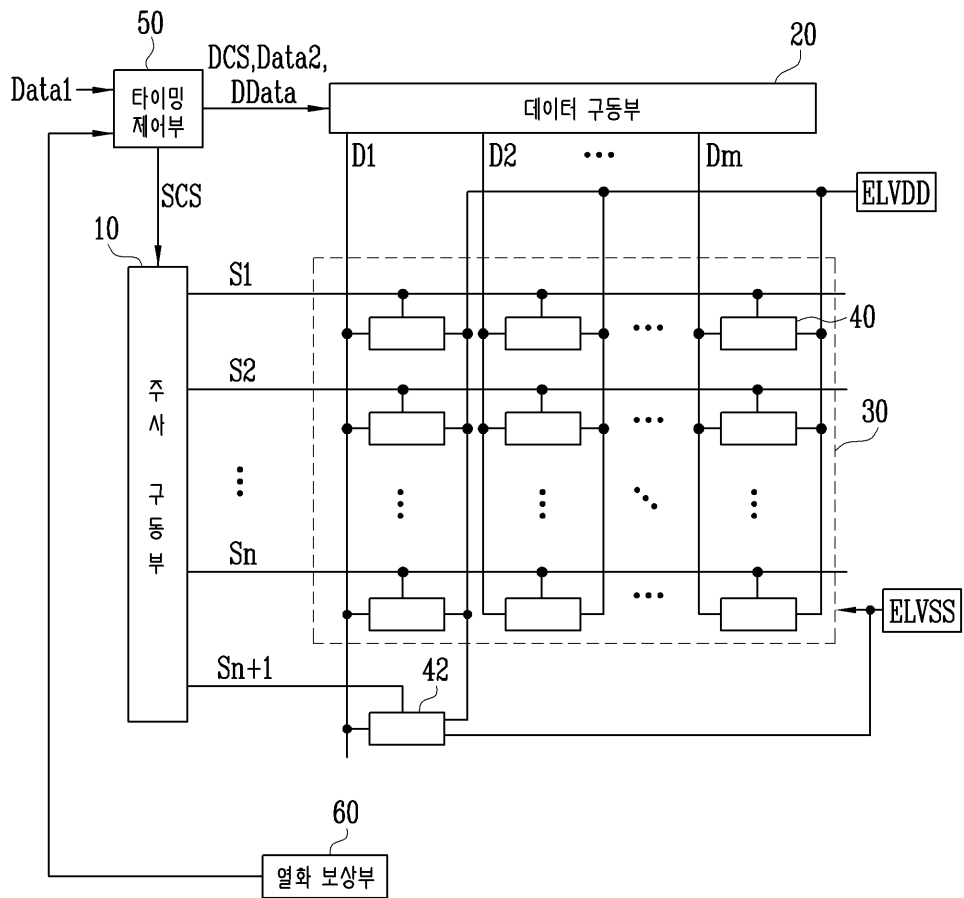
4a



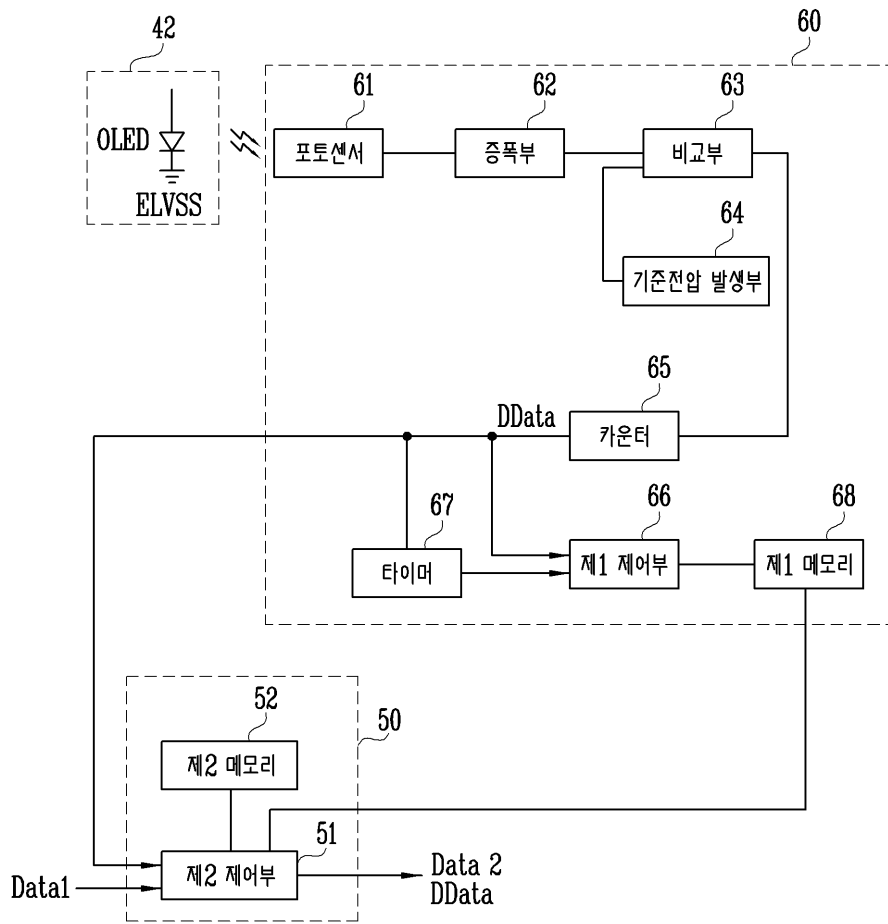
4b



5



6



专利名称(译)	有机电致发光显示装置		
公开(公告)号	<a href="#">KR1020100012247A</a>	公开(公告)日	2010-02-08
申请号	KR1020080073542	申请日	2008-07-28
[标]申请(专利权)人(译)	三星显示有限公司		
申请(专利权)人(译)	三圣母工作显示有限公司		
当前申请(专利权)人(译)	三圣母工作显示有限公司		
[标]发明人	DOIK KIM 김도익 JAEWOO RYU 류재우		
发明人	김도익 류재우		
IPC分类号	H01L51/50 G09G3/30 G09G3/20 G09G3/32		
CPC分类号	G09G2320/048 G09G2320/043 G09G3/3233 G09G2320/045 G09G2360/145 H01L29/66545 H01L31/03767		
代理人(译)	SHIN , YOUNG MOO		
其他公开文献	KR100952837B1		
外部链接	<a href="#">Espacenet</a>		

摘要(译)

本发明涉及指示均匀亮度图像的有机电致发光显示装置。本发明的有机电致发光显示装置配备有定时控制单元，用于利用扫描驱动器产生的数据信号产生第二数据，用于将扫描信号提供给扫描线用于扫描周期的伪数据，数据驱动器用于产生数据信号使用第二数据和第二数据，它位于包含在一帧中的多个子场的有效区域中，其中数据信号由像素辐射产生，而虚拟数据位于虚拟区域中，使用对应于累积的伪数据的位变化值数据和发光时间劣化补偿：用于存储比特变化值和从外部提供的第一数据，并且累加到与虚拟像素的发光时间对应的伪数据的像素元素，虚拟像素的亮度和虚拟像素辐射是固定的。

