

(19)  
(12)

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(43)

10-2004-0102567  
2004 12 08

(21) 10-2003-0034080  
(22) 2003 05 28

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(72) 4 210-37916/5

106 505

(74)

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(54)

U

,

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U

.

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U

,

5a

,

, U

,

,

1

2

3 2 -



(power consumption)가

가 .

1

(19) (16) (11) (17) (13) (13) (11)

(19)

가 (19)

(13) (11)

(13) (21) (23) (25)

(21) /4 가 1 (23) 가 2

(23) 가 , 가

(25)

2 , 3 2 -

2 3 (D) (11) (G) (D) 가 (G) (11) (36)

(27) (11) (G) (27) (28) (27) (28) (30) (30) (29) (31)

(36) (photo acryl) (37a)

(37a) (T)가

(16) (37a) (36) (31)

(16) (36) (37a) (37a)

(38) (37a) (11) (38)

4a 4e

4a ( )가 (41) 1 (42)

1 (42) (A) (B) (43)

(43)

4b 1 (42) (41) (42a)

4c 1 (42a) (reflow) (42b)

4d (42b) (41) 2 (44)

2 (44) (42b) 가 (42b) 1.5~2.0 $\mu$ m (42b) 2 (44)

4e (42b) (41) 2 (44) (45)

(random)

가 가

U

U

Al, Ag, MoW, Al-Nd, Cr

U 1 1 U

가 2 ,

1  
Teflon), BCB(benzocyclobutene), (cytop) PFCB(perfluorocyclobutane) 가 (

Al , Ag , MoW , Al-Nd , Cr

ITO, IZO, ITZO

5a 1 , 5b 5a U

5a 5b (51)  
(52) (53) , (52) (53) (

)가 ,

(52)

(Teflon),  
BCB(benzocyclobutene), (cytop) PFCB(perfluorocyclobutane) 가 (

1 (photo acryl) U  
(54)

U (54) 2 , 2  
(55)

(55) , Al , Ag , MoW , Al-Nd , Cr

U (54)  
(54)

U (54)

6a 2 , 6b 6a U

6a 6b (61)  
(62) (63) , (62) (63) (

)가 , (61)

(62)

(64) 1 (photo acryl) U

n), BCB(benzocyclobutene), (cytop) PFCB(perfluorocyclobutane) 가 (Teflo

U (64) 2 (65) 2

(65) , Al , Ag , MoW , Al-Nd , Cr

(65) U (64) (64)

U (64)

7 3

7 (73) , (71) (72) (73) 1 (72)

)가 ,

Teflon), BCB(benzocyclobutene), (cytop) PFCB(perfluorocyclobutane) 가 (

1 (photo acryl) U (74)

U (75) (74) (71) 1 (75) ,

(75) 2 (76)

(75) , Al , Ag , MoW , Al-Nd , Cr

(76) ITO(Indium - Tin - Oxide), IZO(Indium - Zinc - Oxide)

ITZO(Indium - Tin - Zinc - Oxide)

(75) 1 U (74) (74)

U (74)

가 가 가

가

가

U

U

(57)

1.

U

U

2.

1

3.

1

4.

1

Al, Ag, MoW, Al-Nd, Cr

5.

1

U

1

U

U

가

2

6.

5

, BCB,

1

PFCB

가

7.

5

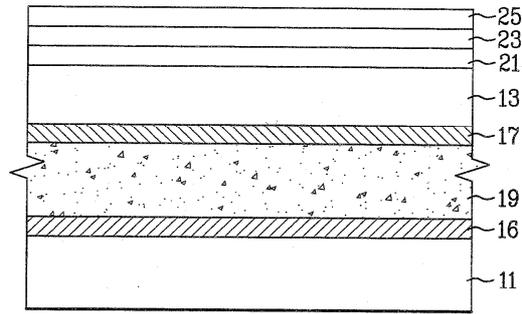
Al, Ag, MoW, Al-Nd, Cr

8.

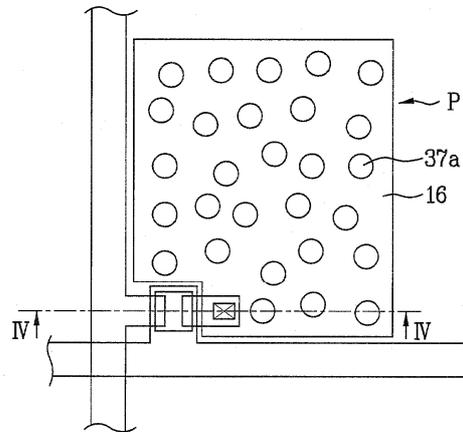
5

ITO, IZO, ITZO

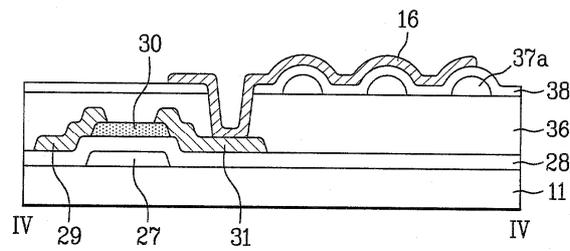
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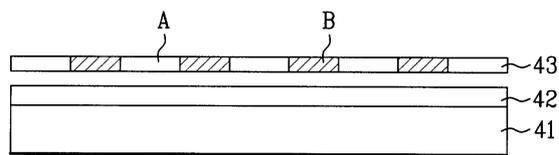
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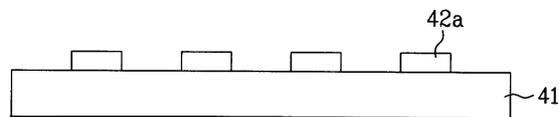
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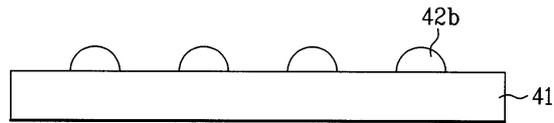
4a



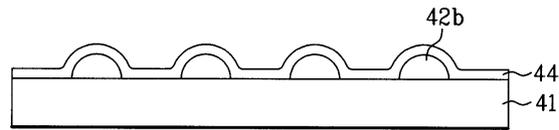
4b



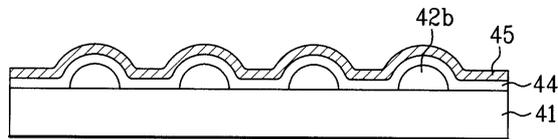
4c



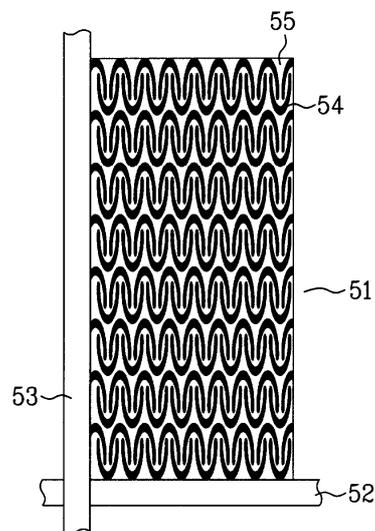
4d



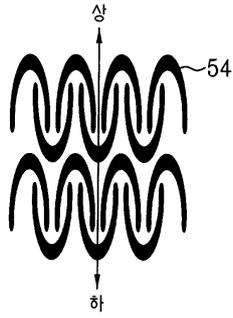
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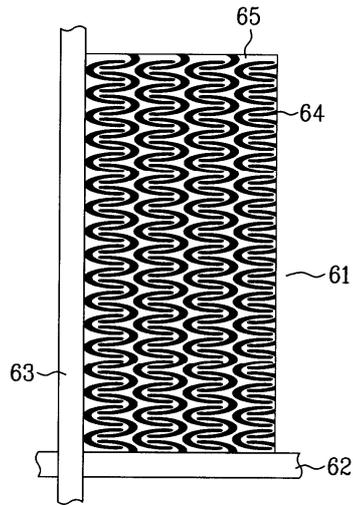
5a



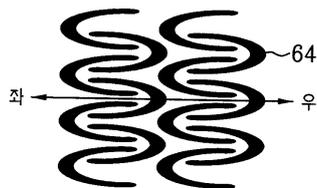
5b



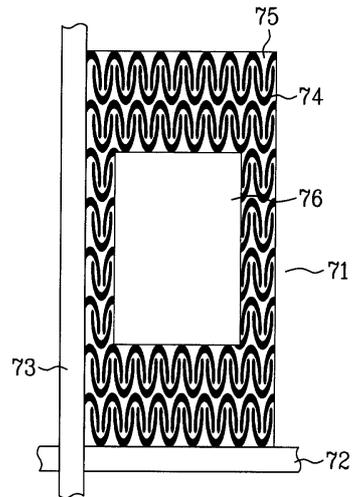
6a



6b



7



专利名称(译)	液晶显示器		
公开(公告)号	<a href="#">KR1020040102567A</a>	公开(公告)日	2004-12-08
申请号	KR1020030034080	申请日	2003-05-28
[标]申请(专利权)人(译)	乐金显示有限公司		
申请(专利权)人(译)	LG显示器有限公司		
当前申请(专利权)人(译)	LG显示器有限公司		
[标]发明人	KIM WOONGSIK 김웅식 JUNG TAEYOUNG 정태용		
发明人	김웅식 정태용		
IPC分类号	G02F1/1335		
代理人(译)	金勇 新昌		
外部链接	<a href="#">Espacenet</a>		

摘要(译)

本发明中，被布置成彼此交叉上的绝缘衬底上的栅极布线和数据布线，以限定像素区域通过实施的压花图案涉及一种液晶显示装置，该U形，以便最大化的顶部和底部或左，右视角的反射率和，和形成在所述栅极布线和数据布线，绝缘的交点的薄膜晶体管，包括薄膜晶体管在膜上形成绝缘和绝缘层，形成在基板的整个表面上膜反射，被连接到由交替的绝缘膜在相反方向上形成为彼此，并且在TFT包括U形的压花图案，所述多个U形的压花图案还有一个电极。图5a 指数方面 液晶显示装置，压花图案，U形，反射电极，透明电极

