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(22) 2003 06 28

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(72) 77 105 1001

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2 1 ' - "

3 2

4 TFT TFT

1 2 , (2) , ((2)
2) (12) , (4) , (2) (4) (22)
TFT(30) , (2) (4)

(2) (30) (6)
(4) (30) (10) (22)

TFT(30) (2) (6) , (4) (8) , (22)
(18) (20) (10)

(6) (16) (14C) (12)
4S) (8) (24S) (6) (26) (14D) (6) (26) (1)
(14D) (24D)

TFT(30) (2) (4) ,

(22) (18) (20) TFT(30) (10)

, TFT(30) 가 (22) () 가

(A) 3

(12) 1 (t1) 2 (t2) 가 가

(14C) 1 가 가 (6) 가 가 (14C) 4

1 가 가 (30)가 2

가

2 1 ,

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가

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, 5 10

5 1
6 5 ' - "

5 6 , 1 (102) , (102) (112) (104) ,
(102) (104) TFT(130) , (102) (104)
(122)

(102) (130) (106)

(104) (130) (110) (122)

TFT(130) (102) (4)

8) , , TFT(130) (102) (106) , (104) (10
(122) (118) (120) (110)

(106) (116) (106) (108) (114C) (112)
) , 1 (106a) (104) (110) 2 3 1 (106a
(106b,106c)

) (108) (124S) (106) (126) (108) 1 2 (106a,106b) (114S)
 114D) (110) (124D) (106) (126) (110) 1 3 (106a,106c) (
 n- (114) TFT(130) , TFT(30)가 N n+
 가 , n+ , n-,n+
 , n+ . TFT가 P p+ . p+
 , p+
 (114C) (114C1) , (114C1) (114C2)
 (114C1) (114C2) 2 3 (108) (110) 1 (106a)
 (106b,106c) (106)
 (114C2) (114C1)
 , (108) (110) (106) 1 (106a)
 (114C1) 가
 (122) (118) (120) TFT(130) (110)
 , TFT(130) 가 (122) () 가
 1 6
 , (101) SiO₂ (116)
 (114D), (114) (114) (114S),
 (114C1) (114C2)
 (114) (116) (112)
 (106)
 (112) (112) (126) (126)
 (124S) (124D)
 , / (104), (108), (110)
 / (114D) (114) (108) (110) (114S)
 / (120) (110) (126) (118)
 , (118) (110) (110) (122)

7 2
8 7 ' - "

7 8 , 2 TFT
 (130) (102) (106) , (104) (108) ,
 22) (118) (120) (110) .

(106) (116) (114C) (112)
) , 1 (106a) (106) (108) (110) 2 3 1 (106a
 (106b,106c)

(108) (106) (126) (114S)
) (124S) (108) 1 2 (106a,106b)

114D) (110) (106) (126) (110) 1 3 (106b,106c) (

) TFT(30) (114S) (114D) , (114C
 (114D) (114C)

(114C) (108) (110) (114C1) ,
 (114C1) (114C2)

(114C1) (108) (110) (106) 1 (106a)
 (108) (106) 가 (114C1)
 108) (110) (110) 가 (114C1) (

106c) (114C2) (108) (110) 2 3 (106b,
) 가 (114C1) (114C2)

2 1

9 3 ,
 10 9 ' - "

9 10 , 3 TF
 T(130) (102) (106) , (104) (108) ,
 (22) (118) (120) (110)

(106) (116) (114C) (112)

) (108) (106) (126) (114S)
 (124S)

114D) (110) (106) (126) (

C) TFT(130) (114S) (114D) , (114
 (114D) (114C)

(114C) (106) (114C1) , (114C1)
 (114C2) , (114C) 'l' 1 (L1)

14C1) (114C1) (114C2) (108) (106) (110) (106) (114C2) 2 (L2) (1

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1 6. ,

가

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10 12. ,

10 **13.** ,

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10 **14.** ,

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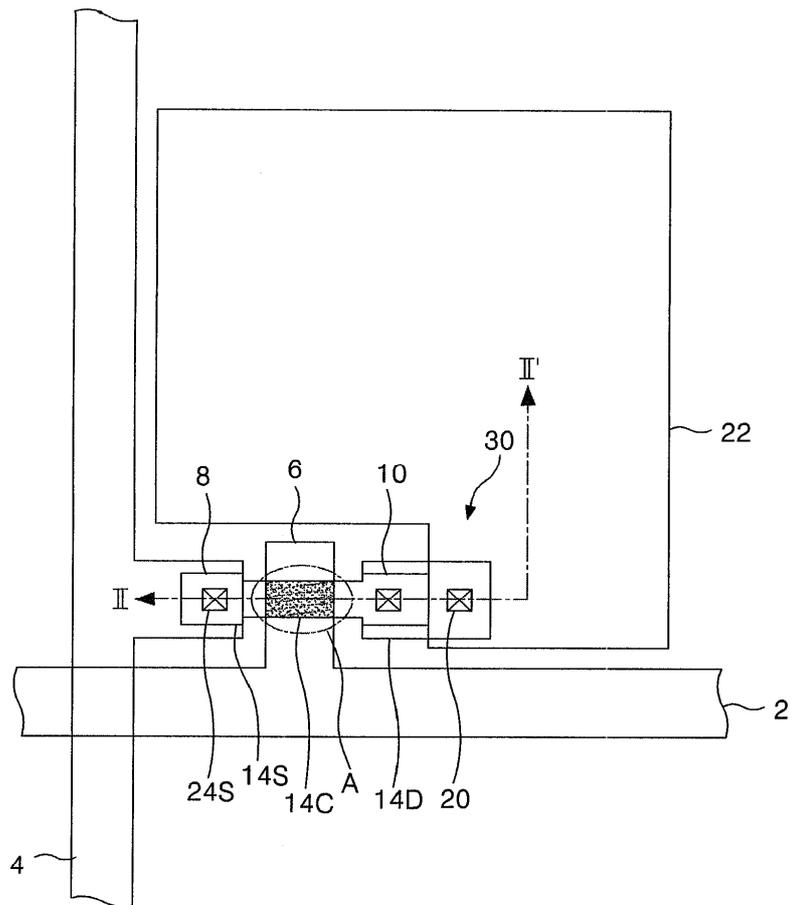
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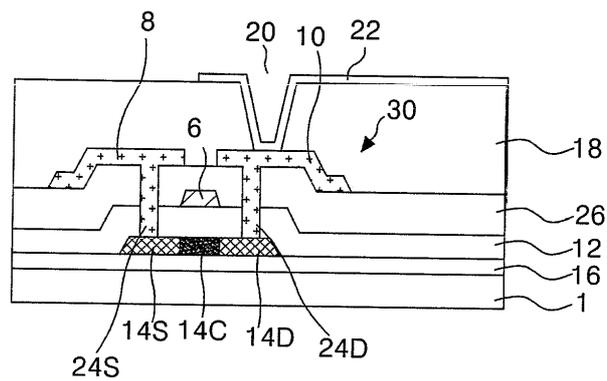
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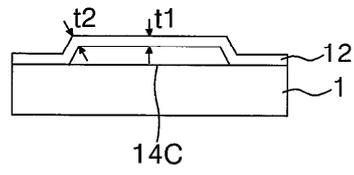
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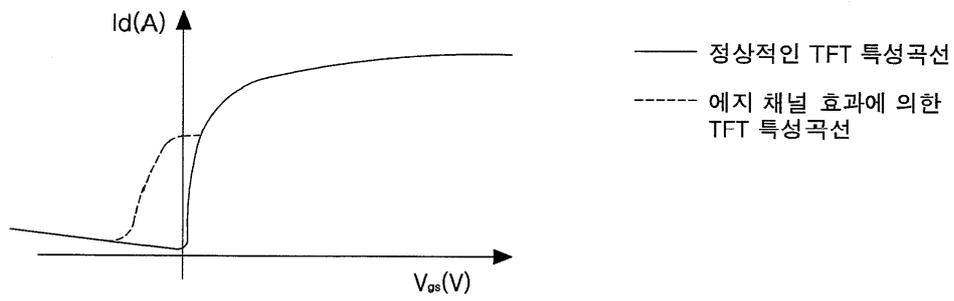
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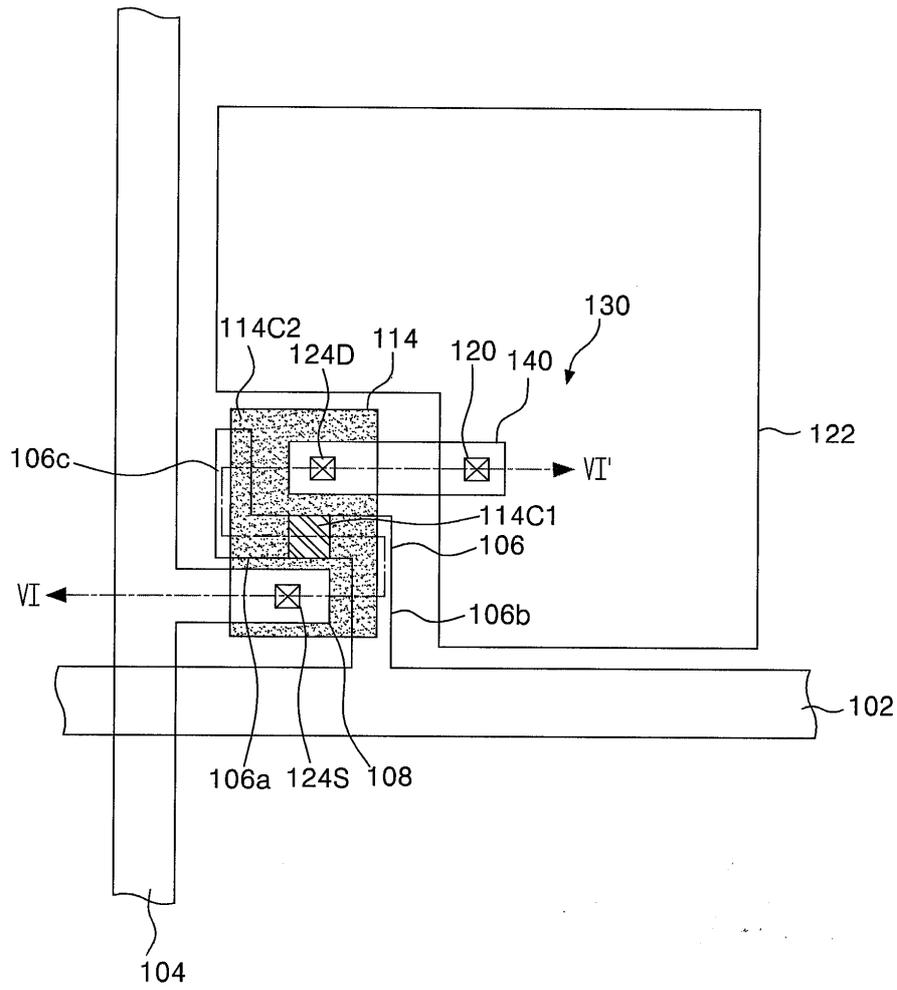
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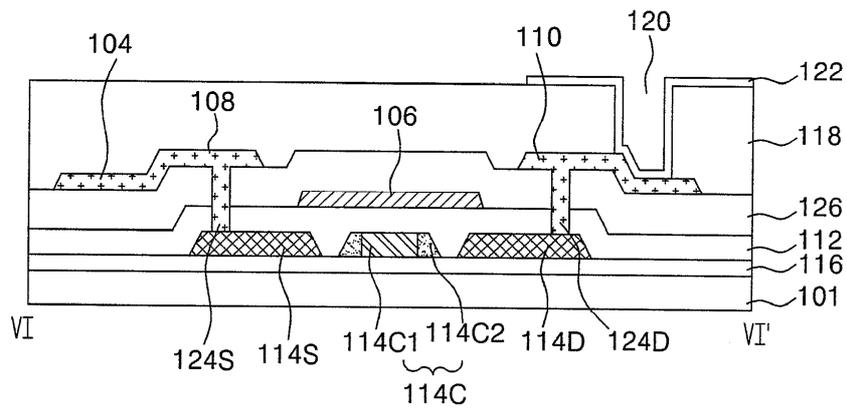
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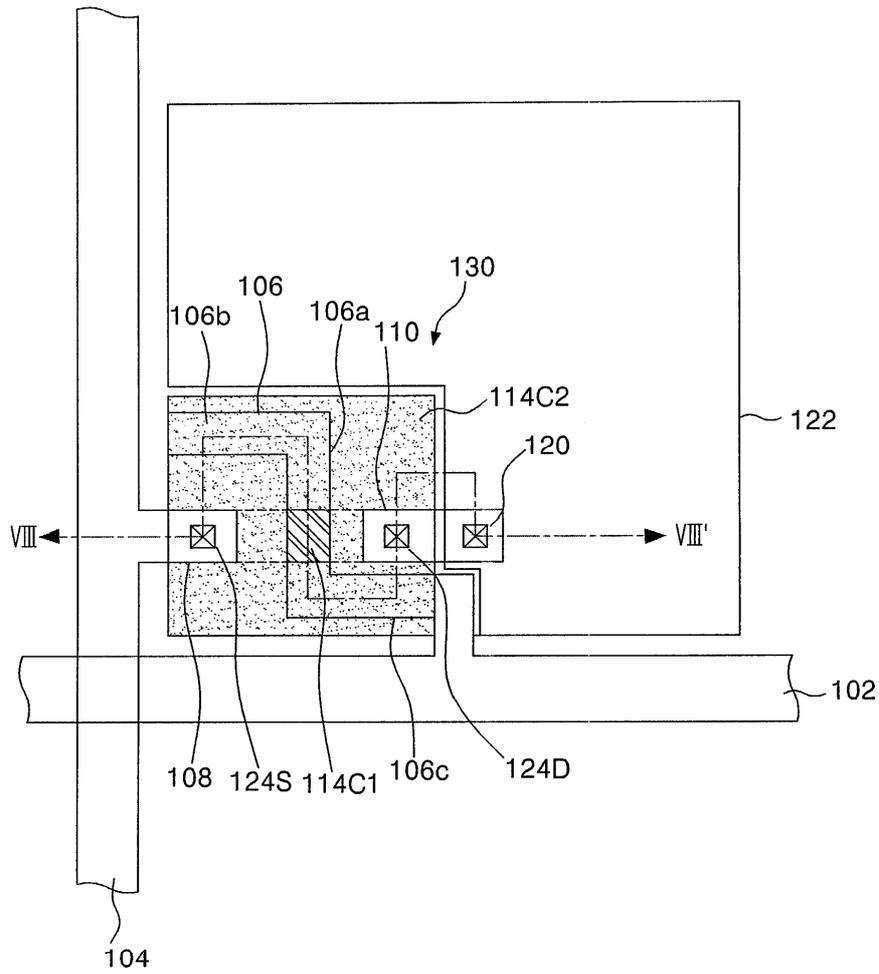
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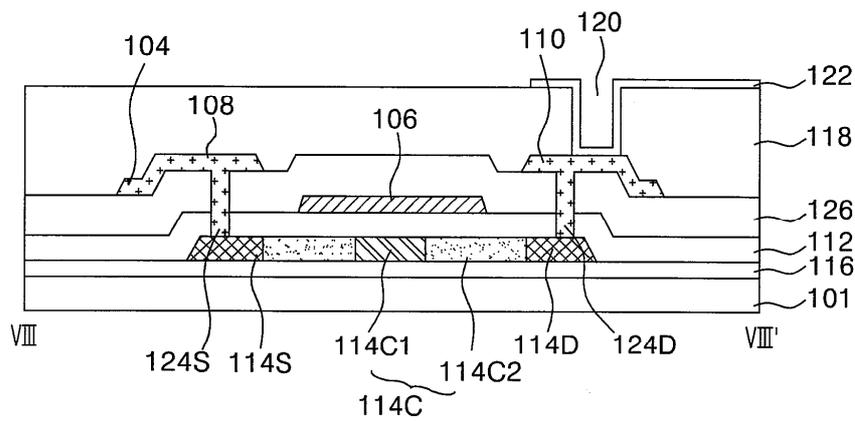
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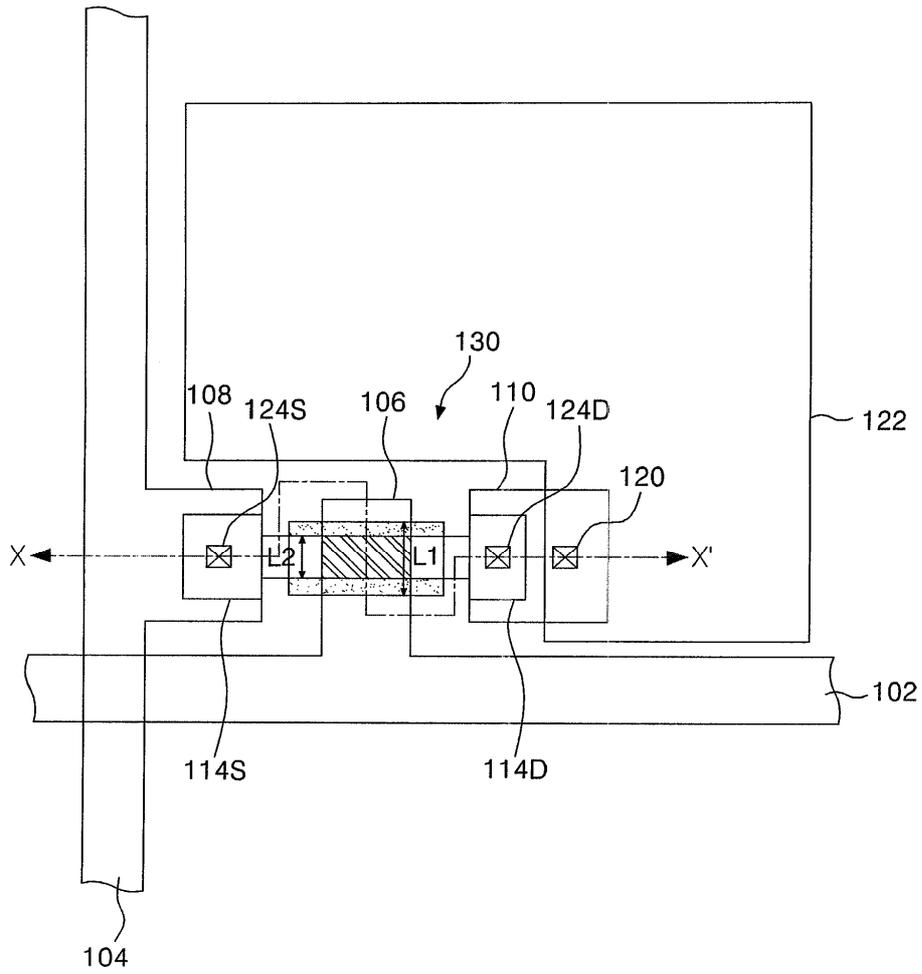
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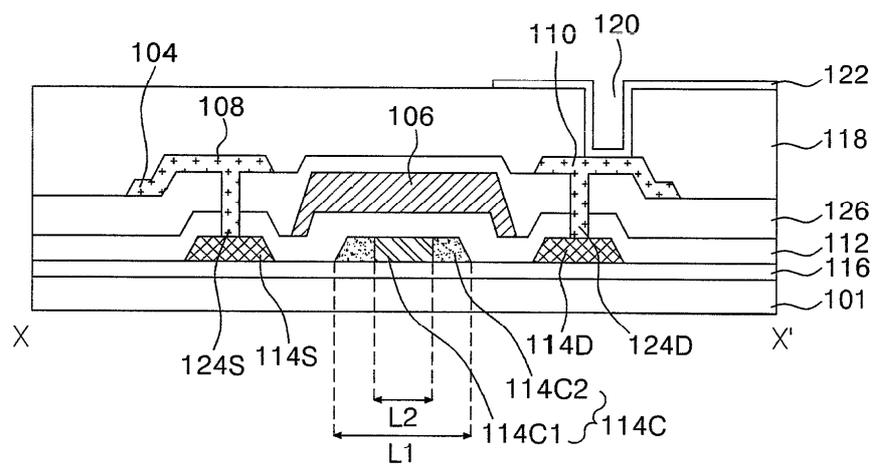
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专利名称(译)	液晶显示面板及其制造方法		
公开(公告)号	KR1020050001940A	公开(公告)日	2005-01-07
申请号	KR1020030042946	申请日	2003-06-28
[标]申请(专利权)人(译)	乐金显示有限公司		
申请(专利权)人(译)	LG显示器有限公司		
当前申请(专利权)人(译)	LG显示器有限公司		
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发明人	하용민 윤진모 서인교		
IPC分类号	G02F1/136		
外部链接	Espacenet		

摘要(译)

本发明提供一种液晶显示面板及其制造方法，使寄生沟道特性最小化。本发明的LCD面板包括主沟道区，有源层，包括形成的第二沟道区，以覆盖主沟道区部分和主沟道区，并且重叠的栅电极与其绝缘。包括边缘部分的次级沟道域，以及在间隔和面中具有主沟道区域的源电极和漏电极。

