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(71) 가 가 가
가 가
1 6 2

(72) 가 1 - 8 - 6 - B - 408
가 가 가 3 - 42 - 7
가 가 3 - 5 - 5 - A

(74)
:

(54)

7) (8A) , (5) (上半分) ()
(8B) (7) (7c) (17) 가 (17a₁) 가 (17a₂) ()
5) (7) (7) (17) 가 (17a₁) 가 (17a₂)
(7) (7) (17) (3)

1 1 가 .

2 1 .

3 2 .

4 2 .

5 1 - .

6 2 가 .

7 6 .

8 3 .

9 4 .

10 5 .

11 .

12 11 .

1: 1a:

1b: 2:

3: 4:

5: 6:

7: 7a:

7b, 7b₁, 7b₂, 27a, 27b, 28a, 28, 30a, 30b:

7c:

8, 8A, 8B, 11, 33, 34, 35, 36, 37, 38:

10, 32: 17:

17a: 가 17a₁: 가

17a₂: 가 17a₃: 가

17a₄: 가 17b:

17c: 가 18:

19: 20:

21: 41, 41A, 41B:

가 , .

11
(101) (101) (102) ()
(101,102) ()
(101) (102) ()
(101a) (101b) (103)
(101) 4 가 .

(101) (103) 1 (周知)
(104) (105) (104, 105) (104,
105) ,

(104) (106) (101) (101a)
(105) (108) () (101) (101b)
(108) (109) () 11 (106)
(108) 2 .

(107) (104) (109)
(105) (101) (110)
가 , , (107, 109)
(101) (110) .

(107) (W1) , (103) 12 가 , (101) (101a) (Wr) (103) 가 (11) 가 (101) (100) (101a) 5 10mm 가 .

가 :

가

가

< 1 >

1
V-V

1

가

, 5 1

(3) (1) (3) (1) (2) (1, 2) (L)(5)
 (1a) (3) 1 (2) (4)
 (1) (4) (5) (6) (5, 6)

(5) (7) (1) (1a)
 (6) (8) (10) (1) (9) (1a)
 1, (7) (10) (兩端) 2 (12)

(8) (13) (14)가 (8)
 (5) (11) (11) (6) (15) (1)

(2) (17), () ITO ()
 (18)(5) (18) (2) 가 가 (17a) (1)
 7) (18) (4) 가 가 (17a)
 (5) (6) (17b) 1 ,
 (17b) (17) (17b)
 , R, G, B (2)
 (18) (17) mm (18)
 (18) (17) 가 (17a) 가 (17)
 a₁), 가 (17a₂), 가 (17a₃) 가 (17a₄) , 가 (17a₂),
 가 (17a₃) 가 (17a₄) (3a) (3)
 (17a₁) 가 (17c)가 (3) , (3) 가

(5) (9) (7) 2
 (7) (5) (7a) (7a)
 (7b) , (7a) (5) , (7b) (7c)
 가 (5) (7) (7a) (7b) (7c)
 (3) (3) (17) 가 (17a₁) 가 (17c)
 (7a) (7b) (7c) (17a₁)
 , (7) (7a) (7b) (7c) (17) 가 (17a₁)

(7) (7a) (7b) (7c) (17) (3)
 (17) , 가 (5) (7) , (18)
 (7) (7a) (7b) (5) (7c) , (3)
 (7) (7c) (7c) (3)
 , (7) (7c)
 가 (17a₁) (3) (7) (7a) (7b) (7c) (17)
 (7) (5) (17)

(17) 가 (17a₁) 가 (17c) (3) (S) (3) (Ws)
 , (S) 가 , (S)

0.2mm

가

(21) (3)가 (3) (1)
 가 (2) (端)가 () 가 (3) (3)
 0. 15mm (150 μ m) (2) 가 (2) 가
 15 μ m (21) (3)
 가 150 - 15 = 135 μ m 1 가
 (7) (1) (2) 가

< 2 >

1 1 (7) (1)
 (1) (1a) 6 2 (11)가
 1/2 (7b₁) (8A 8B)가 (1) (1a) (5)
 (5) 1/2 (8A) (9A) (1) (1)
 a) (7b₁) (7b₂) 2 (8B) ((9B)
 (17) 가 (17a) 가 (17a₁) 가 (17a₂)
 (3) (7b₁) (7c) (17) 가 (17a₁)
 가 (17c) (7b₂) (7c) (17) 가 (17
 a₂) 가 (17c) 6 2 (11) (1) (3)
 (1) (1a) (8A 8B) (5) (7b₁ 7b₂)
 가 가 가 (3) (1) (7b₁ 7b₂)
 가 (8A 8B) (1) (3)
 (17) 가 가 (1) 가 (17a) (7b₁ 7b₂) (7
 c) (3)

(5) 220 (7b₁ 7b₂) 20 μ m (7b₁ 7b₂)
 2. 2mm

$220 \times 1/2 \times 20\mu\text{m} = 2.2\text{mm}$

(3) (3) 1mm (7b₁ 7b₂) (3)
 (3) 1. 2mm

2

7

(23) (24)
 (24)

가² (7a₂) , (7b₁ 7b₂) (17) 가¹ (17a) 가³ 가⁴ (17a₁) 가 (1

a) (1) (2) (1) (1) (2) (1) (10) (10)

< 3 >

(1) (1a) (8A 8B) (11)

(1) (1) 1 8 (1a) "41" (31) (31) 8

< 4 >

(1) (2) (1) (2) (1a) (33) (1b) (34)

(5) 1/2 가 (27a) (34) (27b) (33) (5) 1/2 (6) (32) (1) (1a) (33) ()

(21) (1a) (1b) (41A, 41B) (1a) (1b) (41A) (33) (41B)

4 (1b) 가 2

< 5 >

4 (1) (1a) (33)
 , (1a) 10 5
 (1) (1a) (36, 37) (1b) (35)
 , (38)
 , (5) 1/2 1/2 (1/4) 가 (5)
 (28a) 1/2 (1/2) 가 (30a) (3)
 7) ()
 (5) 1/2 1/2 가 (28b) 1/2
 (38) () (5) (38)
 (1/2) 가 (30b) (32)
 (1) (1a) (6) (35) ()
 (1) (1a) (1b) (41A, 41B)
 가 , (35, 36, 37) (38)
 (1a) (41A) , (41B)
 (1b)
 5 (5) 1/2 (28a, 30a) (1)
 (1a) (36, 37) , (5)
 1/2 (28a, 30a) (1) (1b) (38)
 (5) 220 , (28a, 28b, 30a, 30b) 20μm ,
 1. 1mm
 220 × 1/4 × 20μm = 1. 1mm
 , 가 (28a, 30a, 28
 b, 30b) (1) 2. 1mm
 5 , 8 3 (1) (1a)
 , (5) 1 1 2 5
 , (1)

2

2

가

(57)

1.

1 (2) ,

1 2 (1) ,

1 2 (1, 2) (3) ,

1 , 2 (1, 2) (3) (L) ,

1 (6), 1 (6) 2 (5) 1 (6)
(7b, 7b₁, 7b₂, 27a, 27b,

28a, 28b, 30a, 30b)

(3) 1 (6) 1 (7b,

7b₁, 7b₂, 27a, 27b, 28a, 28b, 30a, 30b)

(3) 1

(3) 1

2.

1 ,

2 (1) 1 (2) (1a) , (1a) 1

(6) (7b, 7b₁, 7b₂, 27a, 27b, 28a, 28b, 30a, 30b) (8, 8A, 8B, 31)

가

3.

1 ,

1 (2) (4) (17) , (17)

(3) 1

4.

3 ,

(17) (3) 1 0. 2mm

5.

1 ,

(3) (21)

6.

5 ,

1) 1 (2) 2 (1) (20) , (20) (2)

7.

1 ,

b₂, 27b, 30a, 30b) (3) 1 가 (3) 2 , (7 (3)

8.

7 ,

2 (1) 1 (2) (1a) , (1a) 1 (6) (7b₂, 27b, 30a, 30b) (8B, 31, 34, 37, 38)가

9.

1) , (5), (5) (5) (7b, 7b₁, 7b₂, 27a, 27b, 28a, 28b, 30a, 30b) (6) (

(1) (2) ,

(1) (2) (3) ,

(1), (2) (3) (L) ,

(2) (4) (17) ,

(3) (5) 1 가 ,

(7b, 7b₁, 7b₂, 27a, 27b, 28a, 28b, 30a, 30b) (3) 1 ,

(17) (3) 1 (3) 1
 (3) 1 .

10.

9 ,

(1) (2) (1a, 1b) ,
 (6) (7b, 7b₁, 7b₂, 27a, 27b, 28a, 28b, 30a, 30b) (8,
 8A, 8B, 31, 34, 36, 37, 38)가 .

11.

9 ,

(17) , (3) 1 (3) 1 0.2mm

12.

9 ,

(7b, 7b₁, 7b₂, 27a, 27b, 28a, 28b, 30a, 30b) (3) 1

13.

9 ,

(3) 1 2 , (7
 b₂, 27b, 30a, 30b) 가 2 , 2

14.

(2) ,

(5), (5) (5) (7b₁, 7b₂, 27a, 27b, 28a, 28b, 30a, 30b) , (6) (2)
 (2) (1a, 1b) (1) ,
 (1) (2) (3) ,
 (1), (2) (3) (L) ,
 (2) (4) (17) ,
 (3) (5) 가 ,
 (7b₁, 7b₂, 27a, 27b, 28a, 28b, 30a, 30b) (3) ,
 가 (3) ,

(1) (6) (7b₁, 7b₂, 27a, 27b, 28a, 28b, 30a, 30b)
(8A, 8B, 11, 31, 33, 34, 35, 36, 37, 38)가

15.

(2) ,

(5), (5) (6)
(5) (27a, 27b, 28a, 28b, 30a, 30b) , (2)
(2) 1 (1a) 1 (1a) 2 (1b)
(1) ,

(1) (2) (3) ,,

(1), (2) (3) (L) ,

(2) (4) (17) ,

(1) 1 (1a) , (6) 1 (33, 35) ,

(34, 38) (1) 2 (1b) , (27a, 27b, 28b, 30b) 2 ,

(3) (5) 가 ,

(27a, 27b, 28a, 28b, 30a, 30b) (3) , 가
(3) .

16.

(2) ,

(5), (6) (5)
(5) (28a, 28b, 30a, 30b) , (2) (5)
(2) 1 (1a) 1 (1a) 2 (1b)
(1) ,

(1) (2) (3) ,

(1), (2) (3) (L) ,

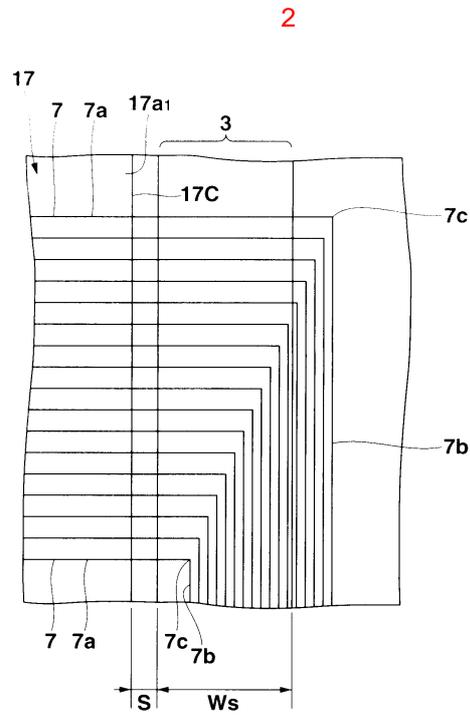
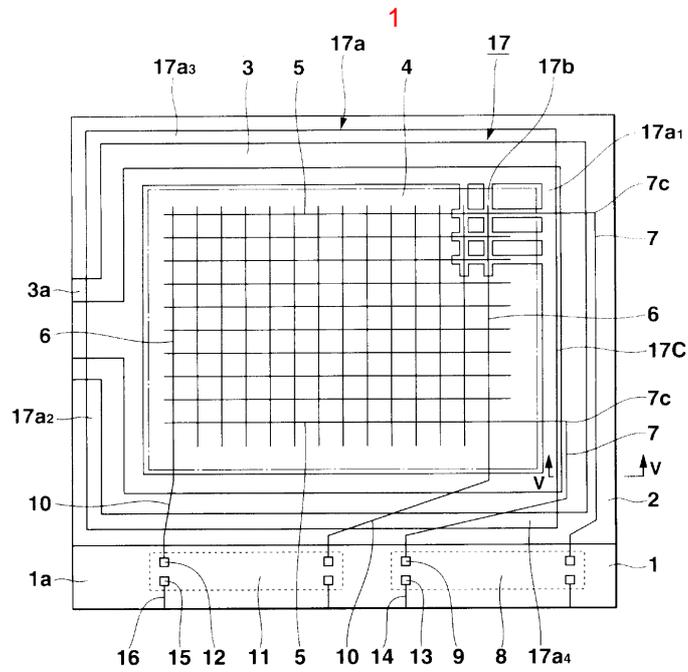
(2) (4) (17) ,

(1) 1 (1a) , (6) 1 (35) ,

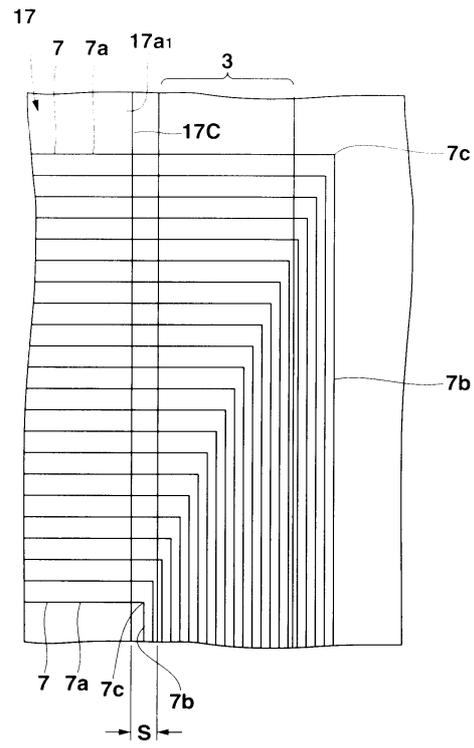
2 (1) 1 (1a) , (28a, 28b, 30a, 30b) (28a, 30a)
(36, 37) ,

3 (1) 2 (1b) , (28a, 28b, 30a, 30b) (28b, 30b)
(38) ,

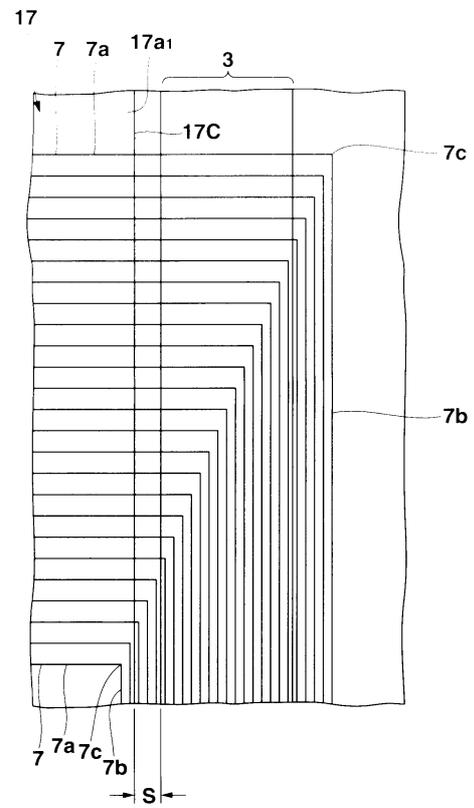
(3) (5) 가 ,
 2 (36, 37) (36, 37) (3) ,
 가 (3) 3 (38)
 (28b, 30b) (3) 가 (3)



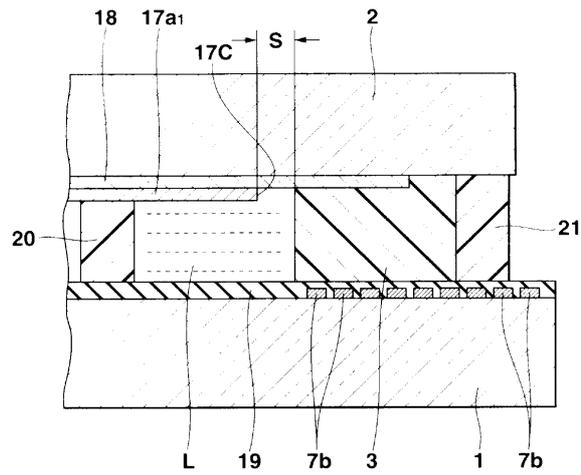
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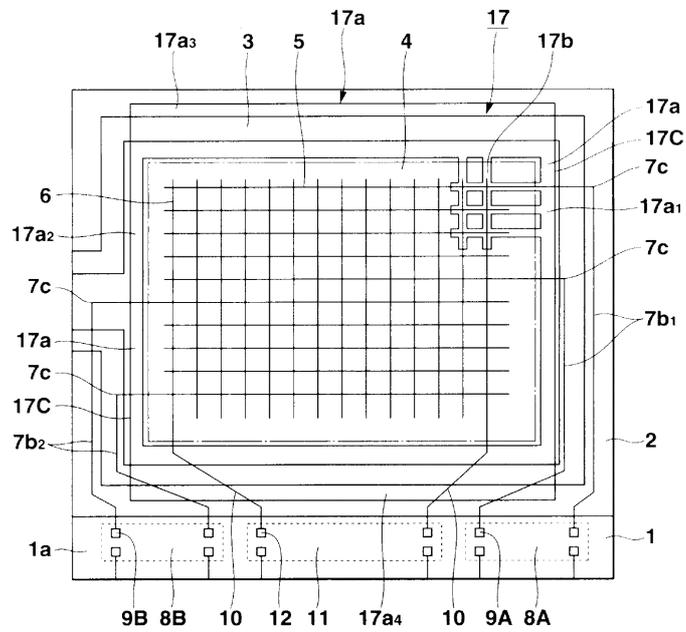
4



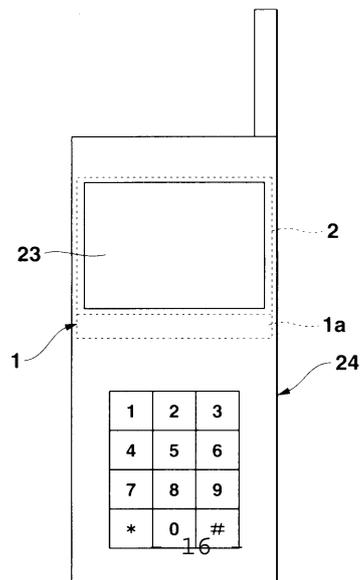
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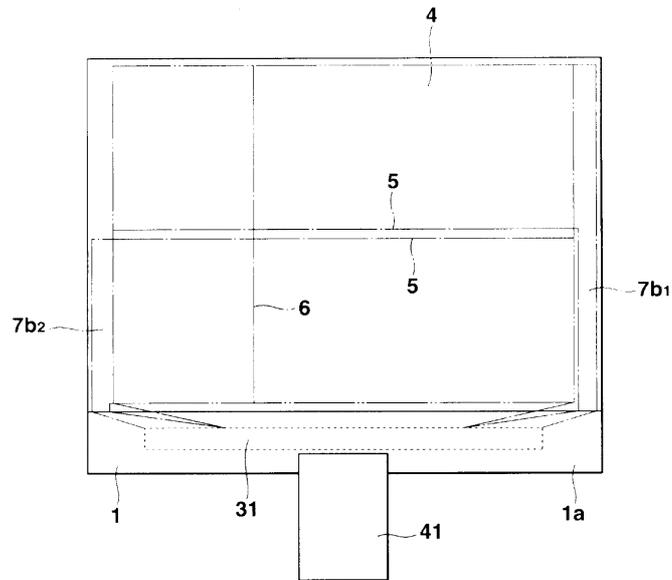
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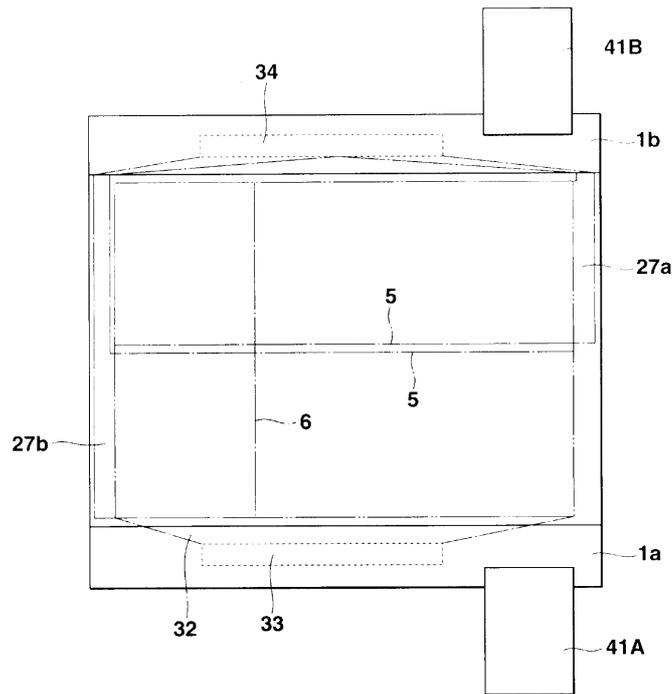
7



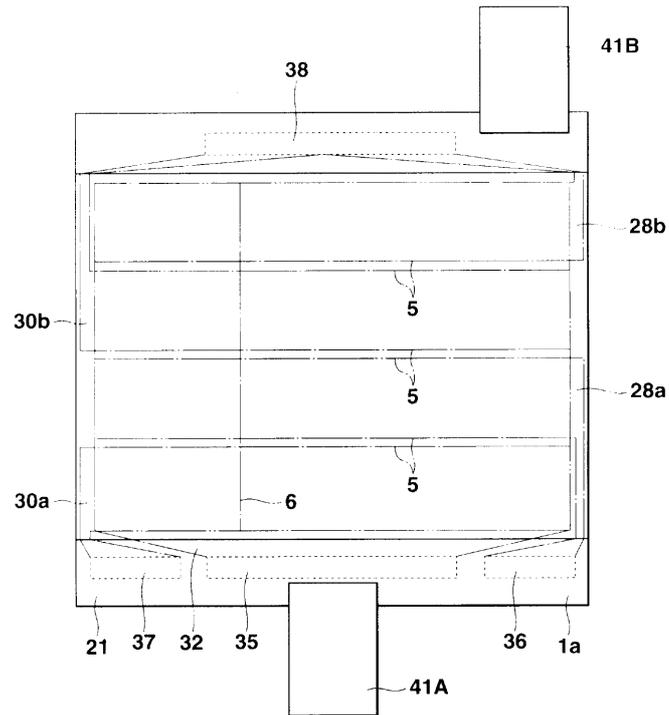
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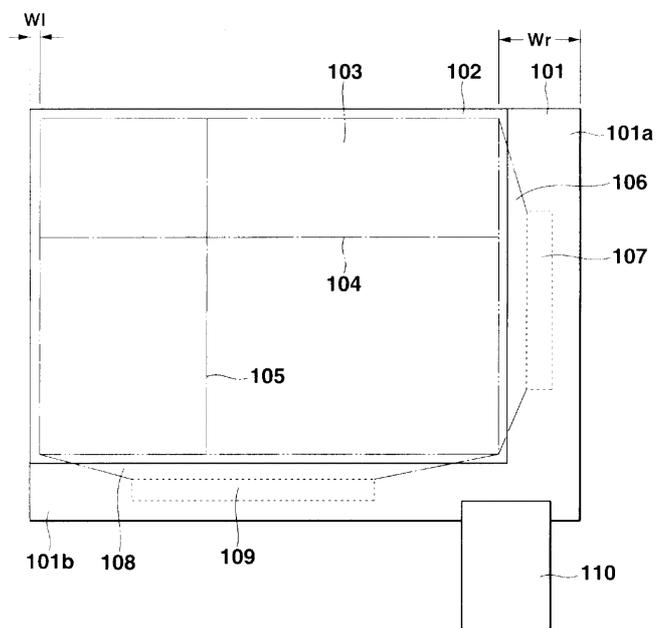
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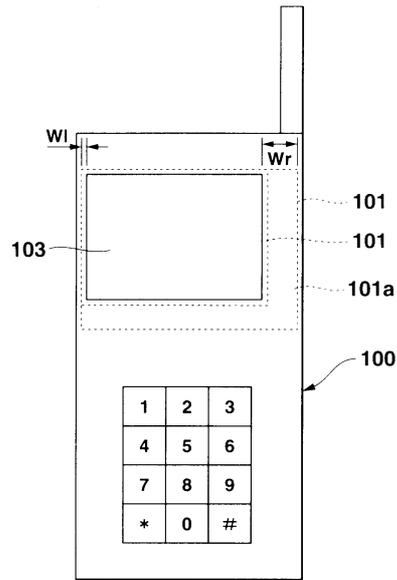
10



11



12



专利名称(译)	液晶显示器		
公开(公告)号	KR1020020010503A	公开(公告)日	2002-02-04
申请号	KR1020010044716	申请日	2001-07-25
[标]申请(专利权)人(译)	卡西欧计算机株式会社 西伯利亚有限公司计算关键财富		
申请(专利权)人(译)	计算关键是否西伯利亚有限公司		
当前申请(专利权)人(译)	计算关键是否西伯利亚有限公司		
[标]发明人	ONAKA EIICHI 오나카에이이치 KATO SHINICHI 가토신이치 KITAGAWA KATSUMI 기타가와가츠미		
发明人	오나카에이이치 가토신이치 기타가와가츠미		
IPC分类号	G02F1/1345 G02F1/1339		
CPC分类号	G02F1/1345		
代理人(译)	孙某EUN JIN		
优先权	2000224797 2000-07-26 JP 2000289986 2000-09-25 JP 2001037808 2001-02-15 JP		
其他公开文献	KR100500186B1		
外部链接	Espacenet		

摘要(译)

液晶显示装置本发明涉及一种液晶显示装置，其中扫描信号线5的上半部分的右半部分通过设置在其右侧的引线7连接到半导体集成电路器件8A，液晶显示装置的左端部分经由设置在其左侧的引线7连接到半导体集成电路器件8B，连接的引出线7的交叉点7c设置在光屏蔽膜17的右侧边缘部分17a 1和左侧边缘部分17a2的外侧以及输出线7和光屏蔽膜17之间。因此，由于电极之间的电位差，可以防止由于从密封材料3洗脱的离子杂质的作用而引起的引线7腐蚀的冲洗。1 指数方面 - 1 - 有源基板，对置基板，密封材料，扫描信号线，数据信号线，

