

1 LCD .

2 .

3 .

4 LCD .

5 , .

6 5 A .

7 6 B - B .

8 .

9 .

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11 .

12 .

13 .

14 .

15 .

16 .

* *

1 : 2 :

3 : 4 :

5 : 6 :

7 : 16 :

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(LCD) , PDA (personal digital assistants),

LCD LCD LCD LCD LCD

LCD ()

1 LCD (101) (102) (102)

(103)

(103) (102) (102)

가

1 2 (103) (104), (105), 1 (106a),

2 (106b), 1 (107a), 2 (107b), (108), (109),

(110)

2 (104) LED (light emitting diode) LED

(111), (111) (112; 1)

(113), (113) (112)

3 U (114)

(105) (105) (115) (

104) (105) (115) (104)

(115) (116)

(117) (103) (102)

1 (106a) 2 (106b) (106) (117)

1 (107a) 2 (107b) 1 (106a) (102) 2 (106b)

(105)

(108) (105) (105) (105)

(109) (104) (115) (105) 3

(110) (tray) (108) 가 (108) 가 (10)

9) 가 (106b), 1 (107a) 2 (107b) 가 (105), 1 (106a), 2

(105) (116) (emboss) (frosting face)

가

(105) (104)

2000 - 155309

(104) (105) (116)

(directivity)

1 (106a) 2

(106b)

LCD

(103) 가

(111)

가

(102)

(116)

가

(10

2)

가

11 - 295714

()

(105)

가

(ridge line)

(111)

가

가

가

(111)

가 가 ,

LCD LCD

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가

가 LCD LCD 가

LCD

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LCD

가 LCD

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3

4

(5),

(6)

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(7)

가

(1)

(2),

(3),

(4),

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3 7 (9a), (2) LED (8), (8) (3) (9), U (11) .

6 7 (9b), (9) (9c) 가 (3) .

(11) , (9a) (9) 3 (9) . 가

(9) (11) (9c) 가 , (12) 가 .

13) , (3) (2) (9) (9a) . 8 , (3) (3) (13) (14) .

(14) (3) (15) (17) , (15) (18) .

11 " S" , (17) " R" (16) (13) (15) 40 ° 50 ° .

13 , (18) (15) (4) (15) , (16) . (18) , (15) .

5 , (17) (18) p (, p = 100 μ m) (9) x . 5 , (14) .

, (17) (4) , (18) (15) .

(4) (3) , (3) (15) .

, (5) (2) (13) (3) 3 (3) 3 .

(6) (3) (16) , .

(4) (7) , (5) 가 , (4) (2), (3) (6) 가 .

가 (1) (16) LCD (21) . (16) (16) (16) (8) , (16) .

(16) , μ m () , .

, 가 (1) .

3 9 , (8) (9) ,
 (9) (11) (210) (9) (11)
 (22) , (9) (12) (23) ,
 (23) (9a) , " x" 가 ,
 (13) .

10 11 , (3) " S" (17) ,
 (17) 11 " R" (15) .
 (17) " T" (17) . ,
 (4) (15) .
 (15) " R" , (15) 가
 가 .

" R" (6) , (16)
 (6) , (14) (16)
 (Moire) , .
 , (8) .

12 13 , (16) ,
 (6) . (15) (3)
 , (14) (18) .
 (18) , (4) (15) (16)
 (3) , .
 , (8) , (16) .
 , (16) (16) . ,
 .

(16) (3) , ,
 .

, (8) , (16)
 . (8) ,
 (16) .

, (3) (front light type) ,
 (14) .

, (3) (16) 가 ,
 , .

(1) LED (1) LCD (21) 가

(17) (18)

(18a) (17a)

14 2

15 DA (31) LCD (21) (31) P 가

LCD (21)

16 (41) LCD (21)

(41) 가 가

(2) (8) LED LED LED LED

(8)

(14) (14) (9) "x" (14)

(9) (9) "x"

(16) θ

(14) (9) "x" θ

(6)

(3) (14)

가 가

가 ,

LED , 가 ,
LCD LCD .

가 .

(57)

1.

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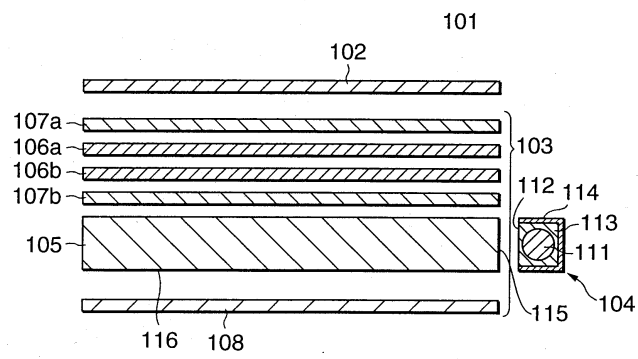
,

LCD

2.

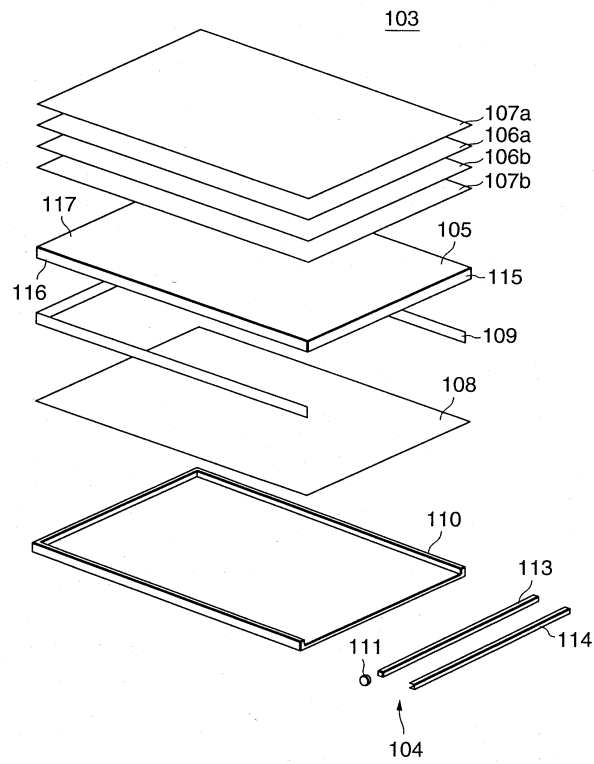
1 LCD

종래 기술¹

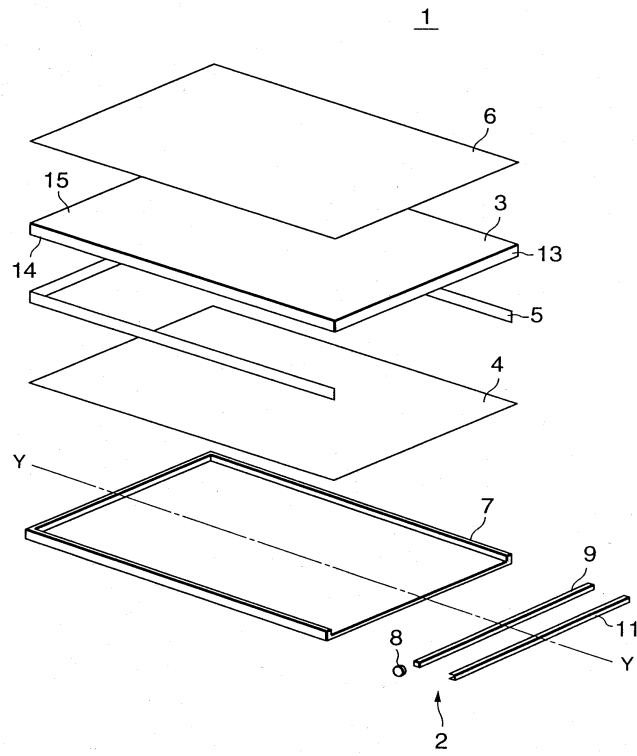


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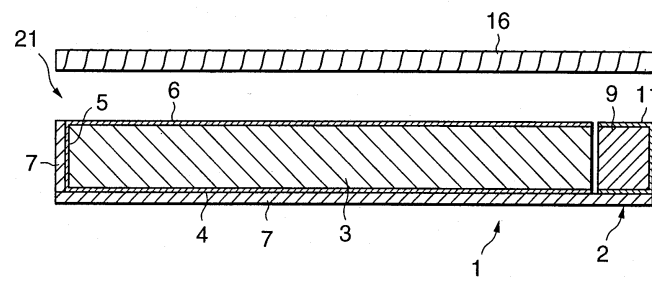
종래 기술



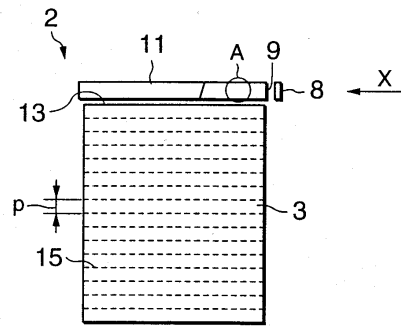
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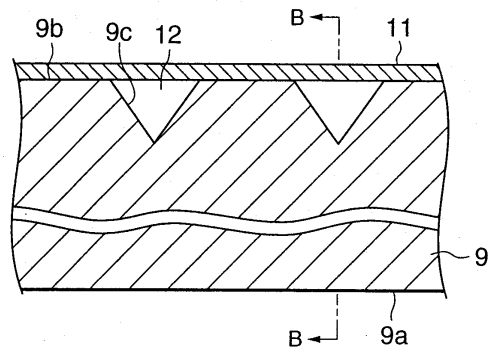
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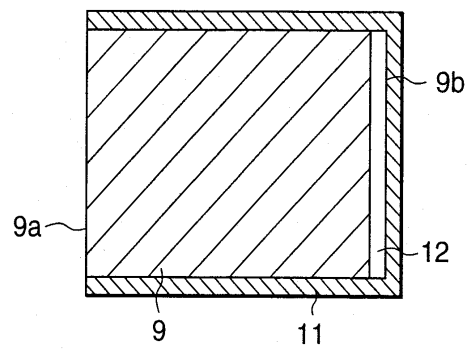
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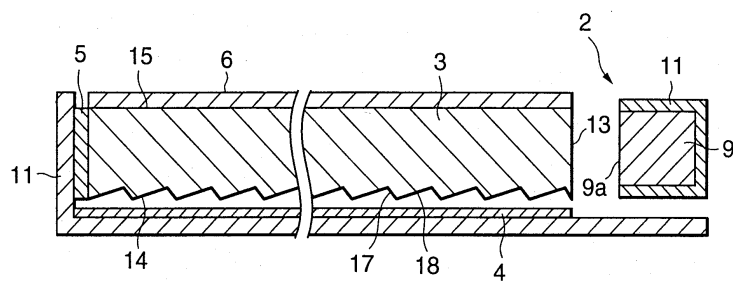
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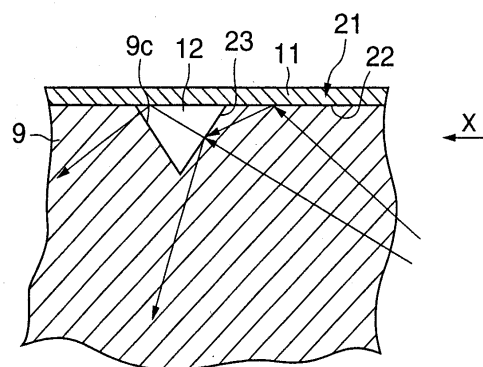
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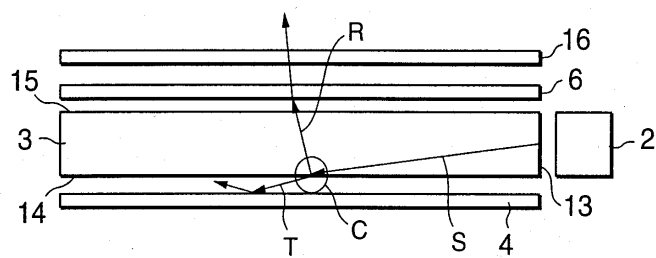
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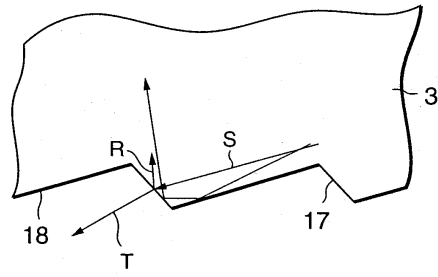
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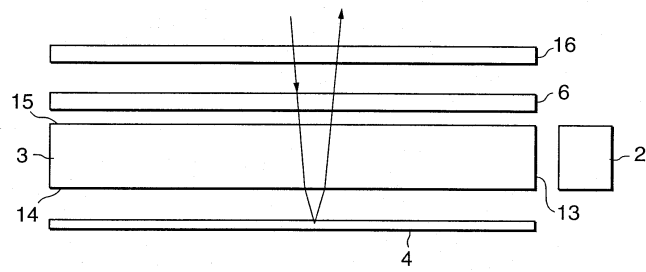
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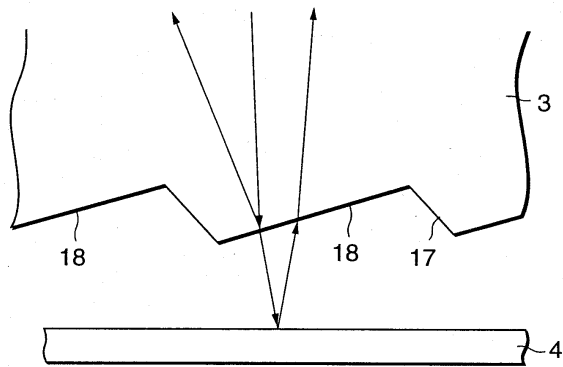
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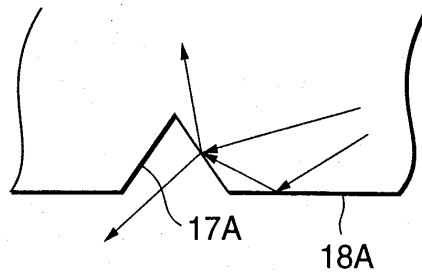
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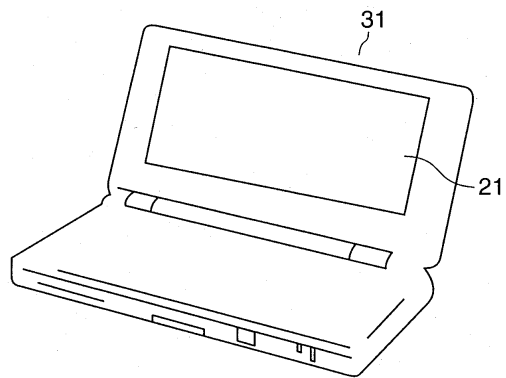
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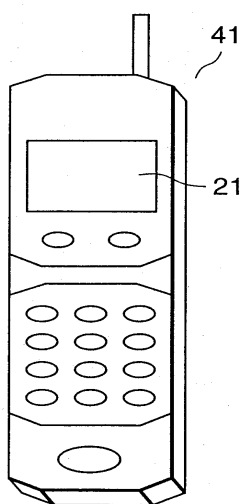
14



15



16



专利名称(译)	背光单元和用于液晶显示器的便携式终端		
公开(公告)号	KR1020020067679A	公开(公告)日	2002-08-23
申请号	KR1020020008203	申请日	2002-02-15
[标]申请(专利权)人(译)	NEC液晶技术株式会社		
申请(专利权)人(译)	日元号技术可否让这个夏		
当前申请(专利权)人(译)	日元号技术可否让这个夏		
[标]发明人	BABA MASATAKE		
发明人	BABA,MASATAKE		
IPC分类号	G02F1/13357 G09F9/00 F21V8/00 F21Y101/02		
CPC分类号	G02F1/133615		
代理人(译)	韩国专利公司		
优先权	2001039253 2001-02-15 JP		
其他公开文献	KR100472792B1		
外部链接	Espacenet		

摘要(译)

本发明包括导光板，至少一个光产生单元，设置在导光板的至少一侧，导光板的后侧和相应的多个反射区域设置在导光板的后侧。无源反射器是为了面对而设置的导光板和透射区域。并且，面向后侧的导光板的表面与至少一个反射区域之间的角度约为LCD设备的背光单元，其大于至少一个透射区域和表面之间的角度。此外，本发明提供了用于便携式终端中的LCD设备的背光单元。液晶显示器，背光单元，导光板，光产生单元，便携式终端。

종래 기술

