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(12)

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(43)

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2004 09 10

(21) 10-2003-0013283
(22) 2003 03 04

(71) 416

(72) 474 301

1167 5 523-1405

211-1607

(74)
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(54)

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2 1 A-A'

3 1

4 3 B-B'

5 3

6 3

7 2

8 7 B

9 3

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30,700 : 37,751 :

38,755 : 31,750 :

720 : 33,730 :

34,740 : 60,400 :

12,150 : 759 :

1000, 2000, 3000, 4000 :

1 , 2 1 A-A'

1 2 (1000) (21)
(20) (20) (30)

23) TFT (27), RGB (21) (Thin film transistor; (21) TFT (27) (22, (28) (28)

TFT (27) () TFT TFT ()

(30) (21) 가 (37), (37) (38) (31)
(38) (32) (37) (32) (37) () ()가

(38) (37) 가 () ()가
(39) (37) (32) (37) (21)

(32) (32) (32)
 (34) (32) (33)가 . . .

(20) (30) (12), (50, 60)
 (50, 60) (12), (34), (32) (33)가 . . .
 (33) (21) . . .

(1000) (50) (20) (30)
 (11) . . .

(BB) 가 , 가 (1000)
 , 가 가 가

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3 3 , 4 3 B-B' , 5

3 4 (200) (200) (2000) (210) (750)
 (200) (electric field) 가 (Liquid Crystal)

(NB) (2000) (D)

(210) (751), (753), (750)가 (750)
 (720) (720) 가 (730), (720), (720)

(751) (751) (751) (720)
 (753) 가 , (753) (720)

5 (721) (726) (720) (721), (721) (726),
 가 (721a)가 (722, 723, 724, 725) . (720) (721) (721) (721) (751)

(721a) (NB) (2000) (NB) (721a) (751)

(721a) 5 (720)
(2000)

(720) (721a) (751)가 (751) (C-C') (751) (751)가 (2000) (NB)

(721a) (751)

(720) 가

(200) (210) (210) (210) TFT() () TFT (211), RGB (213) TFT (213)

(200) (210), (220), (230), (Tape Carrier Package; , TCP)(240), TCP(250) (210) (Thin Film Transistor; , TFT) (211) (213) ()

TFT (211) TFT()가 TFT (Indium Tin Oxide; , ITO) TFT 가 TFT 가

TFT (211) RGB 가 (213) (213) (213) ITO

TFT (211) 가 TFT가 (211) (213) 가 TFT가 (213) TCP(240) TCP(250)가 TCP(240) (240) TCP(240) 가 (230) (210) TCP(250) 가 (230) TCP(250)

3 (2000)가 (220) (220) (230) (230) ()

(720) (720) (720) (720) (740) (720) (720) (730)가

(720), (750), (730) (740) (150) .
 400) (150) (720), (750), (730) (730) (200) (740) (200) (
 (400) , (110) 가 .
 , (400) (210) , (330) (720) (740), (330)가 (740)
 (750) , (740) (150)가 .
 , 가 , 가 가 .
 6 3 .
 6 , (720) (750) (150) (400) .
 , () (759) (750)
 . , (759) 가 , ()
 1 (153a), 2 (153) (153b) 1 (153a) 2 (721a) (751)가 (153c)
 (153b)
 1 (153a) 2 (153b) (150) (400) , (153c)
 (400) (S)
 (759) (750) (150) (400) (S)
 , (S)
 가 2 (759) (2000) (NB)
 7 2 , 8 7 B
) 7 , (3000) (210) (200)
 (200) (850)
 , (3000) (D)
 (NB)
 (210) (850)가 (850)
 (851), (753), (200) 가 (820), (820)
 (820) (820) (740) (730), (820)
 2 (821a)가 (3000) (820) 7 , (820)

, (821a) (NB) (3000) (821a) (NB) (851)

(821a) (851)

, (821a) ,

1a) (820) (821a) (851) (851)가 (3000) (82 (NB) (851)

, (821a) 가

, 가

, (753) (150) (400) (755)

(820) 가 ,

, (150) (820), (850), (730) (740) ((400) (400) (730) (110) 가 (200) (200)

8 , 2 (821a) 1 (820a) 2 (820 b)

1 (851a) 1 (820a) , 2 (851b) 2 (820b) 1 (820a) 2 (820a) 1 (820a) 1 (a), 2 (820b) 1 (a) 2 (b) 가 1 (820a) 2 (820b) 1 (851a) 2 (851b)

1 (851a) 2 (851b)가 가

1 (851a) 2 (851b) 가

9 3

9 , (4000) (210) (200) (850) (200)

, (4000) (D)

(NB)

(210) (851), (753), (850)가 (850) (850) (820), (820) (820) (820) (740) (730), (820)

3 (921a)가 (4000) (920) 8 , (820)

(921a) (NB) (4000) (921a) (NB) (851)

(821a) (851)

(821a)

2 3 (920) (921a)가 (920)

(921a)가 (920) (851) (920)

(140)

(921a) 8 (920)

(4000)

(920) (921a) (851) (851)가 (4000) (92

1a) (NB) (851)

(821a) 가 가

(753) (150) (400) (755)

8 가 3 가 가

(820) 가

(150) (920), (850), (730) (740) (

400) (400) (730) (110) 가 (200) (200)

(57)

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가 1 2 ;

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5 , 1 가 , 2

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5 2 , 1 2 1 ,

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7 , 2

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1 , 1 2

10.

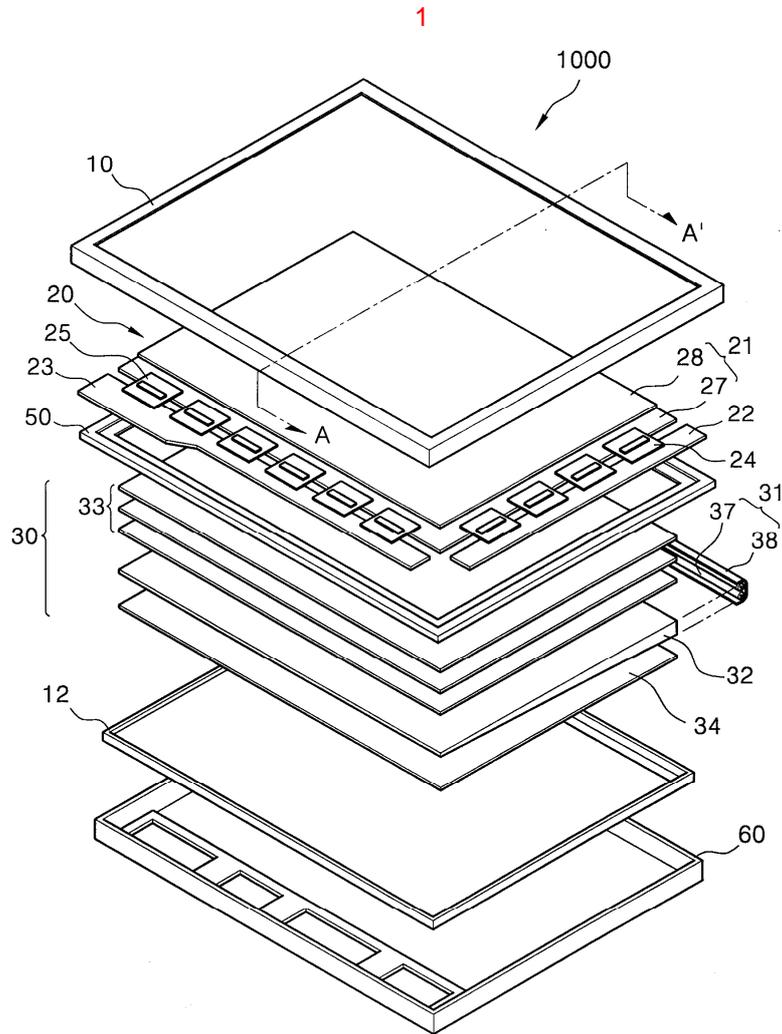
9 2 , 1 1 , 1 2

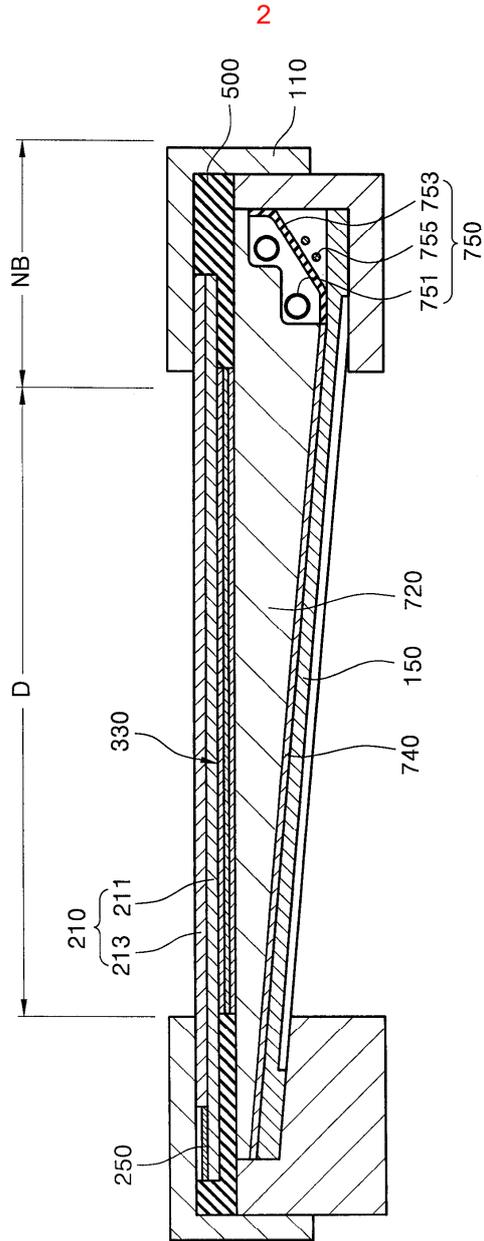
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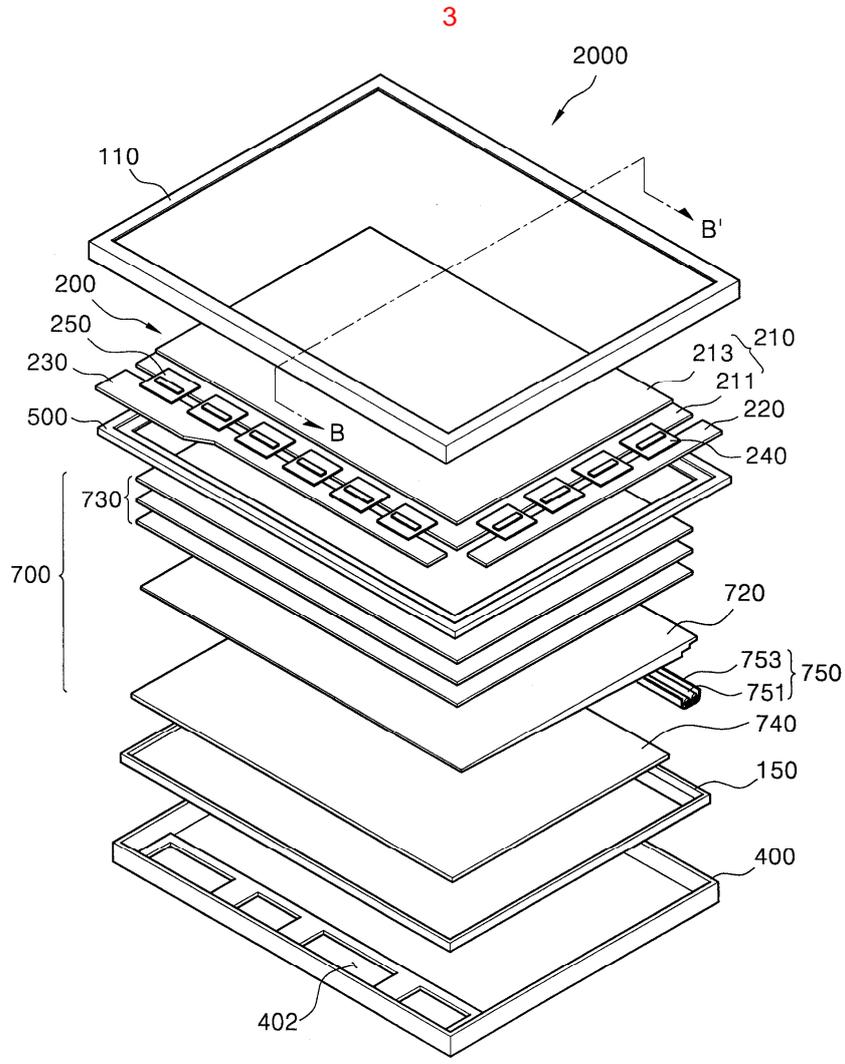
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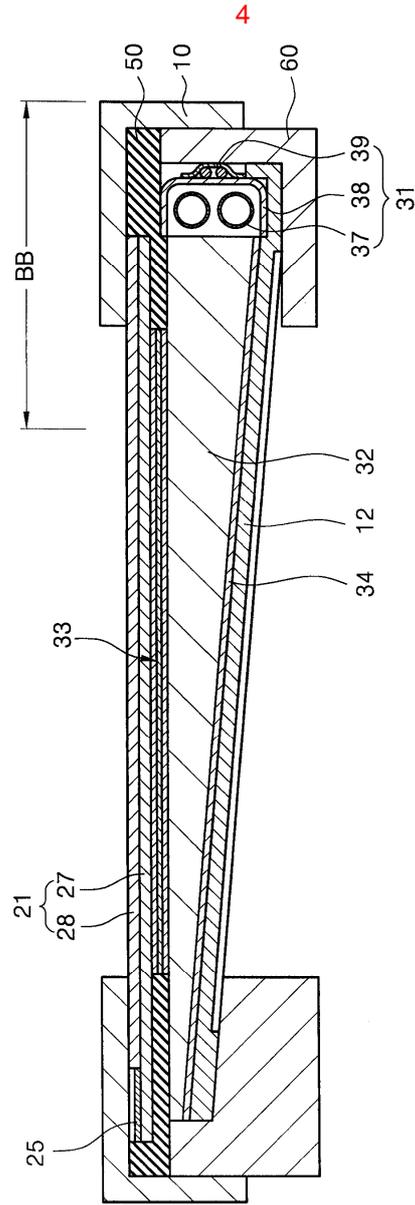
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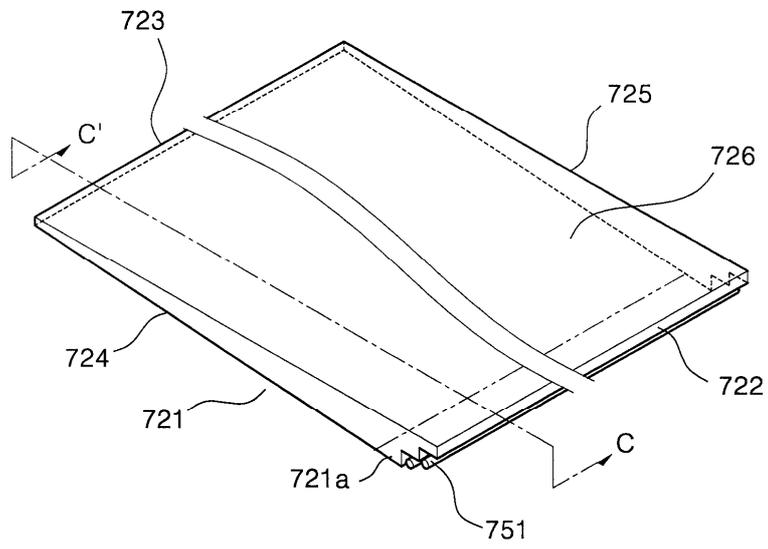




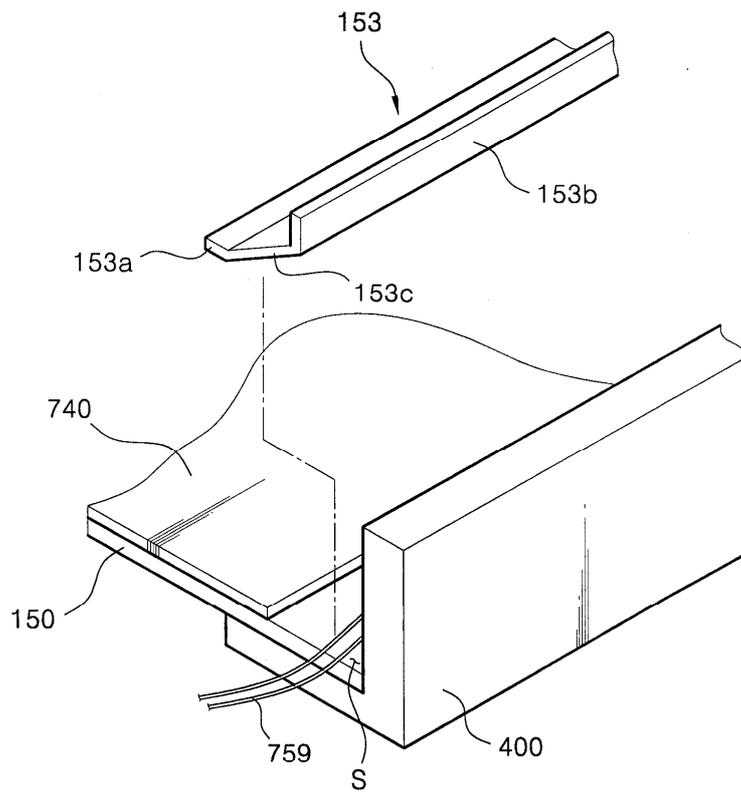


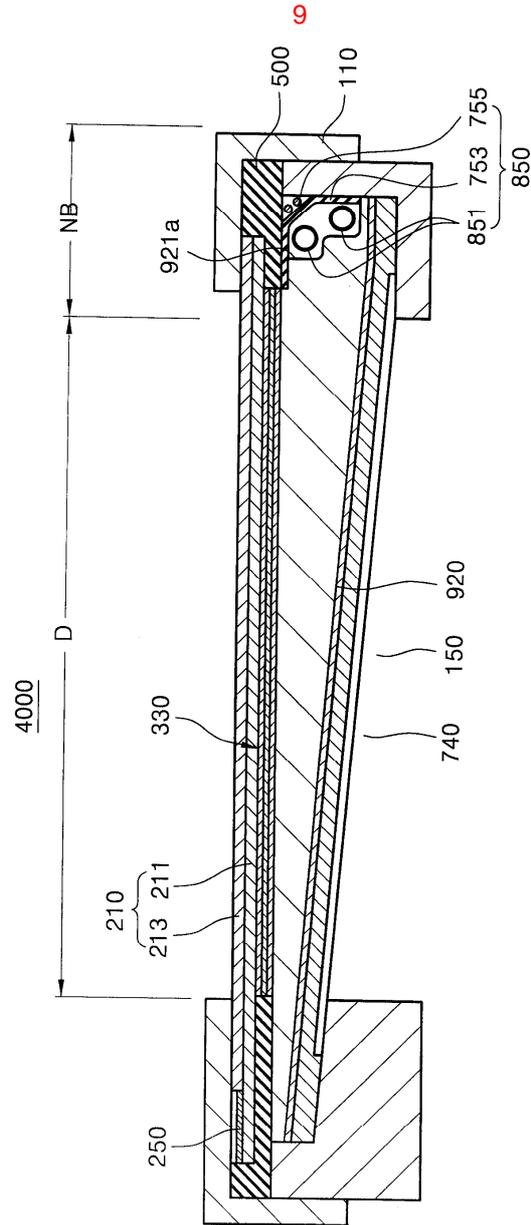
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720



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专利名称(译)	液晶显示器		
公开(公告)号	KR1020040078368A	公开(公告)日	2004-09-10
申请号	KR1020030013283	申请日	2003-03-04
[标]申请(专利权)人(译)	三星电子株式会社		
申请(专利权)人(译)	三星电子有限公司		
当前申请(专利权)人(译)	三星电子有限公司		
[标]发明人	PARK JONGDAE 박종대 LEE SEOKWON 이석원 LEE TAEJIN 이태진		
发明人	박종대 이석원 이태진		
IPC分类号	G02F1/1333		
代理人(译)	PARK , YOUNG WOO		
外部链接	Espacenet		

摘要(译)

公开了用于减小尺寸的液晶显示器。液晶显示器包括由有效显示区域和非有效显示区域组成的液晶面板;产生光的光产生装置;底面和底面;接收容器接收导光板,包括相对的上侧和下表面以及连接光产生装置和导光板的上侧的侧面。并且导光板具有在灯的纵向方向上延伸的阶梯式凹槽光产生装置的存储单元。

