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2005 01 28

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2004 12 17  
(86) PCT/JP2003/007054 (87) WO 2004/001492  
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(30) JP-P-2002-00178703 2002 06 19 (JP)

(71) 가 가 가 22 22

(72) 329-1233 986 10

(74)

10

(54)

, , , (1) (3) , (3) (2) , (2)  
(1) (8) 1 (1a) (1c) , (1c) , (1c)  
(1c) (1b) (2) , (1) ,  
(7) (12)

1 . , (8) (8) (7) (50) , (7) (3)가 (4) (50) 가  
. , (3)가 , (8) (3) (5) (6) , (3) (8)  
, (2) , (2) (50) (51) (52)가 (9) 가  
51)가 , (9) (50) (51) (52)가 (9) 가

2 , (50) . (50) 4 가  
, (50) , (50) ,

2-93425

가

8-16114

LED

가

가

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$$3 \quad , \quad (1) \quad , \quad (7) \quad , \quad (1) \quad , \quad ( ) \quad , \quad (1) \quad . \quad (8)$$

$$, \quad (1) \quad (3) \quad (7) \quad (3) \quad (4) \quad (5) \quad (2) \quad (5) \quad (8) \quad . \quad (2) \quad (6)$$

6 , (1c) , (1) (1c) , (1b) , 2 (1b) . , 4 (1b) , 4 5  
 1b) 1 .

, 3 6 (1a) , (1c) (8) (5) (6)  
 , (1a) (1a) (3) (1c) (1) 4 .  
 (1a) (1c) 3 .

(1a) , (1) 4 (1) (1c) (1b)

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

3	6	,	(1)	(1)	(1a) (1) (1a)	(1a)	(8) (3) 가
(4)	(1a)	.	,	.	.	.	
(7)	5	(8)	(7)	3	(8) (1)	□ (1c)	(8)
4		,	,	,	(25)	(25)	(7)
(12)가			(25)가		(12),	(25)	
가		,	(12)	(7)	,	(7)	(1a)가
		.	.	.	,	,	(1a) 가
,	,	,	(1) 4	(1c)	,	(25)	(13)가
.	.	.	(13)	(13),	.	,	
4	5		(1b)	(1b)	(1c)	(1)	
(1c)		,	(17)	(17)	(1c)	(15)	
(14)	,	,			(16)( 5)가		
,	,	,	(18)( 5)가	(19)	(1c)	(19)	(1)
(3)	,	,	(19)		(1c)		(21)
,	8	)	(1)	(10)가	(1b)	(1c)	(1)
,	9	)	(1b)	,	(1b)	(11)가	
(11)				(1c)		,	
,	4		(20)가	(1b)	(1b)	(1c)	(8) ]
.		,	(20)	(2)	(2)	[ (1)	(2)
.		,	(2)	,	(1c)	(1)	
.		,	(20)	(2)	1	(1b)	
.		,	(2)			(2)	,
1	3		(1b)	2	,	,	(1b)
1		.	(1b)	(1b)	,	,	,
		.		,	(15)	(1b)	
		.		,	(1b)	4	(1c)
		.		,	4	5	
		.					
0)가		,	(1b)		,	,	
2		,	7	(1b)	(1b)	,	
		,	(40)	(41)	(41)	,	
		,	(41)			,	
		,				7	
		,				(41)	

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(1) ,

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가 30

1.2 mm,

( , )

3.0 mm

1.9 kg,

3.0 kg,  
2.7 kg(

1.7 kg)

)

1.5 kg

2

[ 1 ]

[ 1a ) ] 가

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가

( 3 ),

(10, 11)

(1)

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가

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(30)

(33)(  
(1b))

(32)

8

(22)

(33)

(32)

(22)  
(100)(24)(  
(1b))

(1c)

)

9

(11)(  
(3))

(24)

(23)

(23)  
(100)

(10, 11)

)

(1a)

(8)

(3)

(1)

(1)

(1c)

, 4

(1c)

(1)

(1b)

(1)

( )  
(1)

가

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(1)

(1b)

(2)

(1)

(1a) (8) (7)  
(7) (1) (12)

(57)

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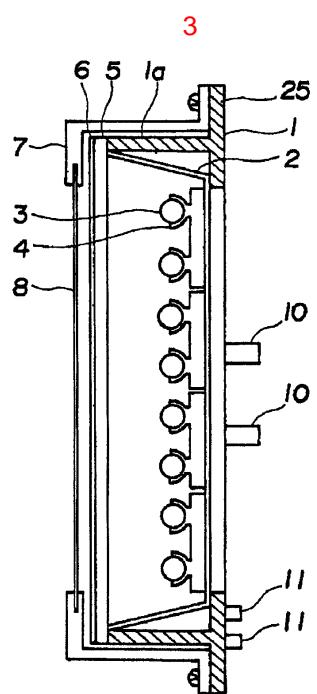
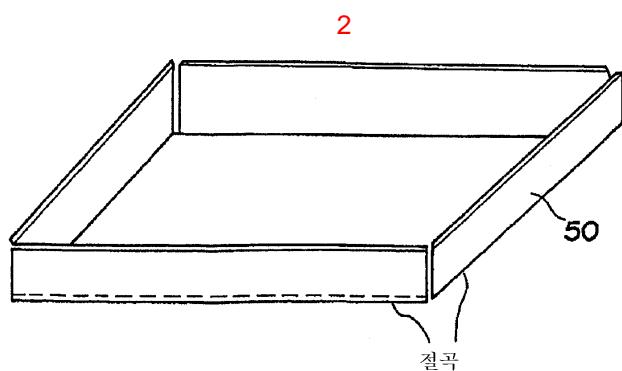
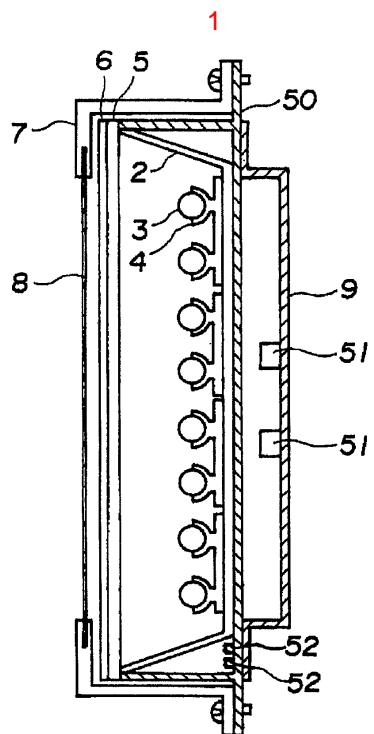
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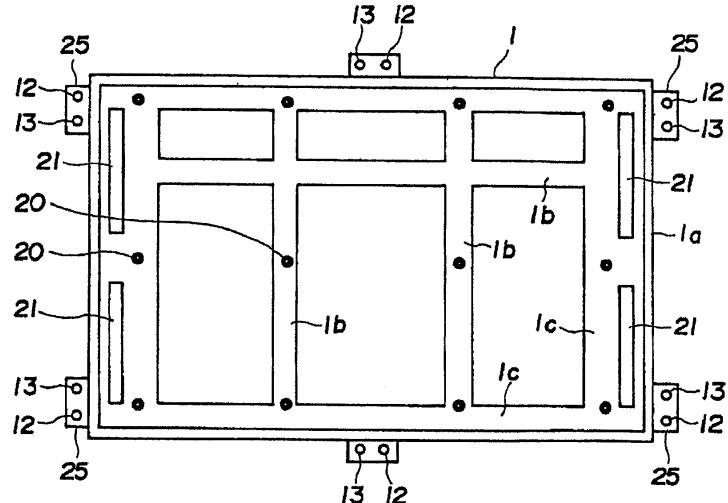
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9.

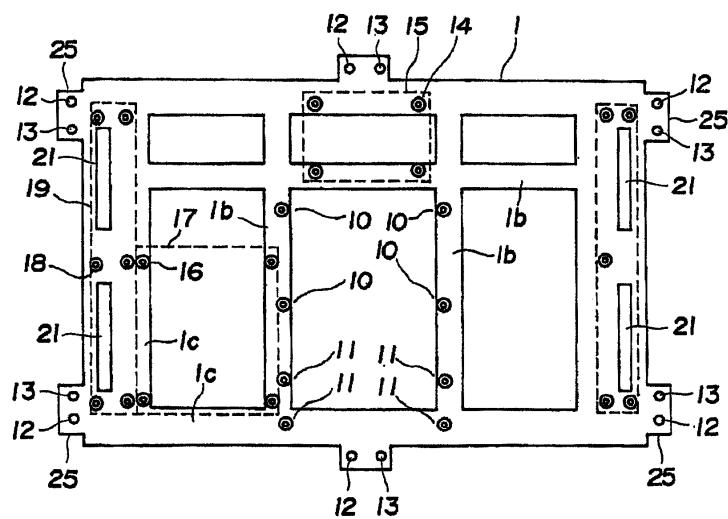
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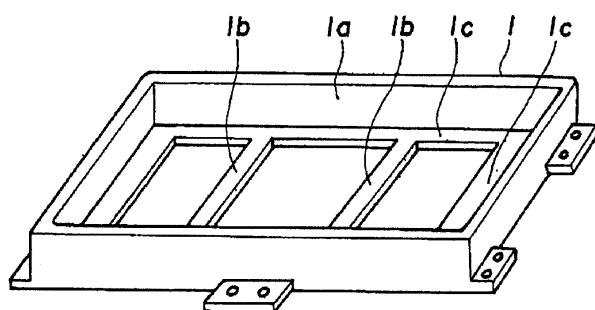
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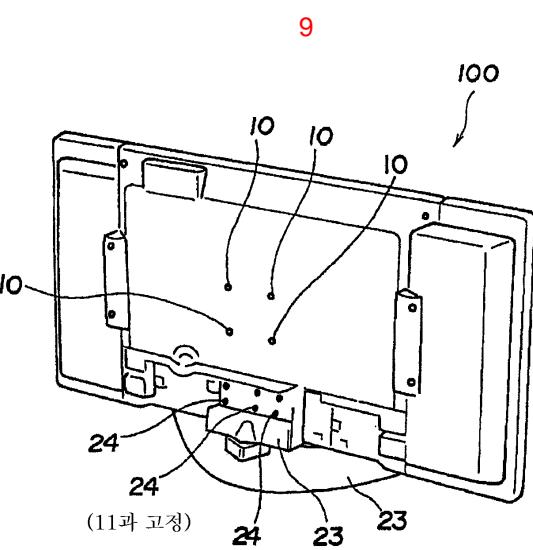
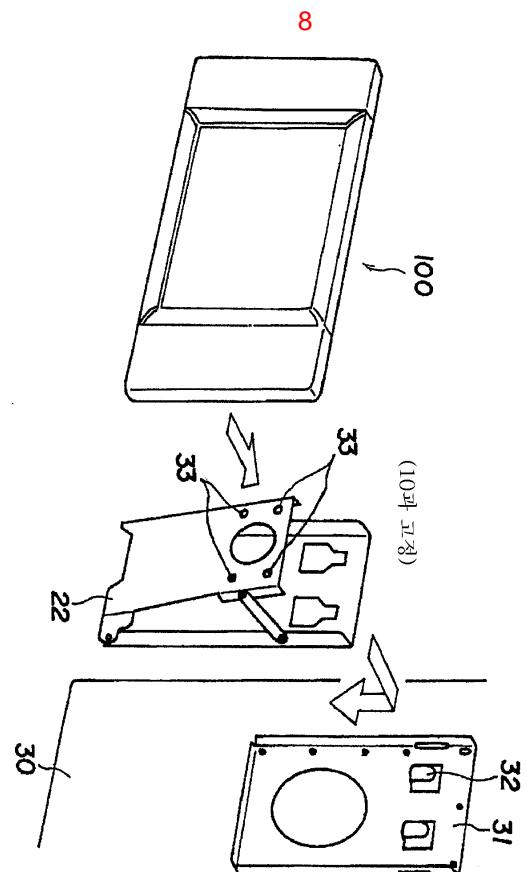
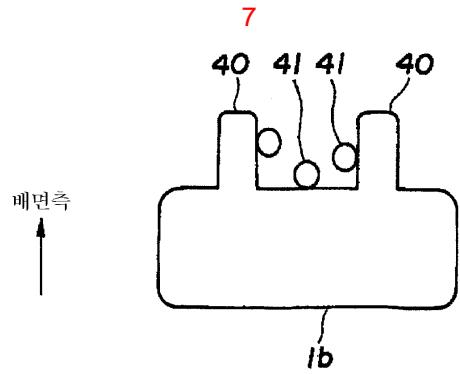


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专利名称(译)	液晶显示器		
公开(公告)号	<a href="#">KR1020050010942A</a>	公开(公告)日	2005-01-28
申请号	KR1020047020497	申请日	2003-06-03
[标]申请(专利权)人(译)	夏普株式会社		
申请(专利权)人(译)	夏普株式会社		
当前申请(专利权)人(译)	夏普株式会社		
[标]发明人	NAKAYAMA MITSUO		
发明人	NAKAYAMA, MITSUO		
IPC分类号	G02F1/1333 G02F1/13 G02F1/13357 G02F1/1335		
CPC分类号	G02F1/133604 G02F1/133608		
代理人(译)	CHU , 晟敏		
优先权	2002178703 2002-06-19 JP		
其他公开文献	<a href="#">KR100680686B1</a>		
外部链接	<a href="#">Espacenet</a>		

### 摘要(译)

在具有垂直上升构件 (1a) 的外部框架构件 (1c) 中安装有1的连接构件 (1b) 的轻质金属是一体结构，其中压铸框架 (1) 突出到液晶面板 (8)，并且至少将外部框架构件 (1c) 连接到关于直接型后灯模式的液晶显示器的材料的纵向方向，其中本发明的液晶显示器支撑反射器和灯但包括此外，液晶显示器整体的重量和高刚度的减少是合适的，液晶面板的布置灯 (3)，灯 (3) 的后面布置的反射器 (2) 和压铸框架 (1) 设置反射器 (2)。窗扇结构形成在反射器 (2) 中，该反射器安装在外侧框架构件 (1c) 和四侧的连接构件 (1b) 上并且是固定的和压铸框架 (1)。用于将面板框架 (7) 安装到窗扇结构的面板框架安装部分 (12) 被设置。灯，反射器，垂直上升构件，外框架构件，连接构件。

