

(19)
(12)

(KR)
(A)

(51) 。 Int. Cl. 7 G02F 1/13357		(11) (43)	2003-0044623 2003 06 09
(21)	10-2001-0075445		
(22)	2001 11 30		
(71)	2 632-39		
(72)	2	103 1205	
(74)			
	:		
(54)			

(13)

(Front light)

(14)

,

(11)

6

,

1

2

3

4, 5a 5b

6

7

8

9

■

(front light)(' ')

2

•

(backlight)

•

;

가 , 가 , 가 . , 가 .

Display, 2000 4 別刷 p.57

$$(21) \quad \frac{1}{2} \left(\frac{1}{2} \right)^{n-1} = \frac{1}{2^n} \quad (20)$$

가 (parameter)가 (pixel)(dot)

가 .

,

•

,

가

1

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

1, (2)가 (8) 가, (3)

2 (2) 2 (2) (1) (21) (LED: Light Emitting Diode)(11)가 (1) (1) (2) (21) (2)

3 2 (2) (21) 3 (2)

(2) (21) (21) a (1) (13) (21) 가 (2) (θ) 5° 85° 가 b (θ)

4, 5a 5b (21) 가

4 (21) (contrast) 가

5a (16, 17, 18, 19) 가 5b 가 (16, 17, 18, 19)

(16) 1μm 5mm, (18) 0.5μm 4mm 가 (17) (17) 1% 50% (16) (가) (19) 1μm 5mm (17)

가 (17) (18) 가 (가) (19) 3: 7 (17) (17) 9:1

4 (21) 가 (19) (2)

6 (11) 1 (3, 4, 5, 6, 7, 8) (1) (2) (13)

(13) (2) (13) (2) (7) (11)

8 8 0° 35° (2) (21) () 35° 25° 50° 5° 85° 가

9 가 9

가 , 가 , 가 .

50 가 .

가

가 , 가 , LED 가 , 가 , 가 . (가 ,) 15% 가 .

(57)

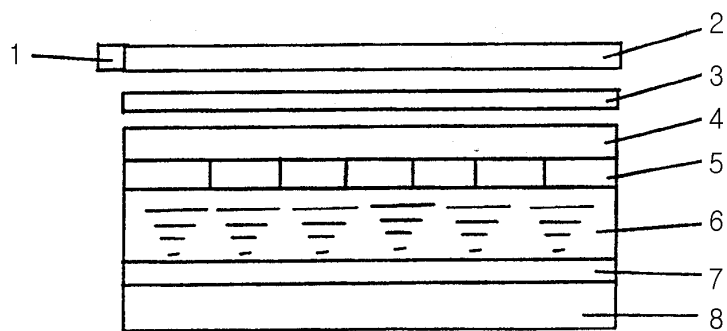
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가 ,

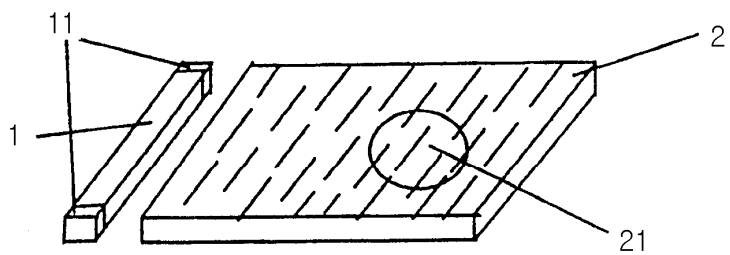
1. 25° , 50° 가

1. 4. 2. , 1μm 5mm, 0.5μm 4mm, / 1% , 50%, 50

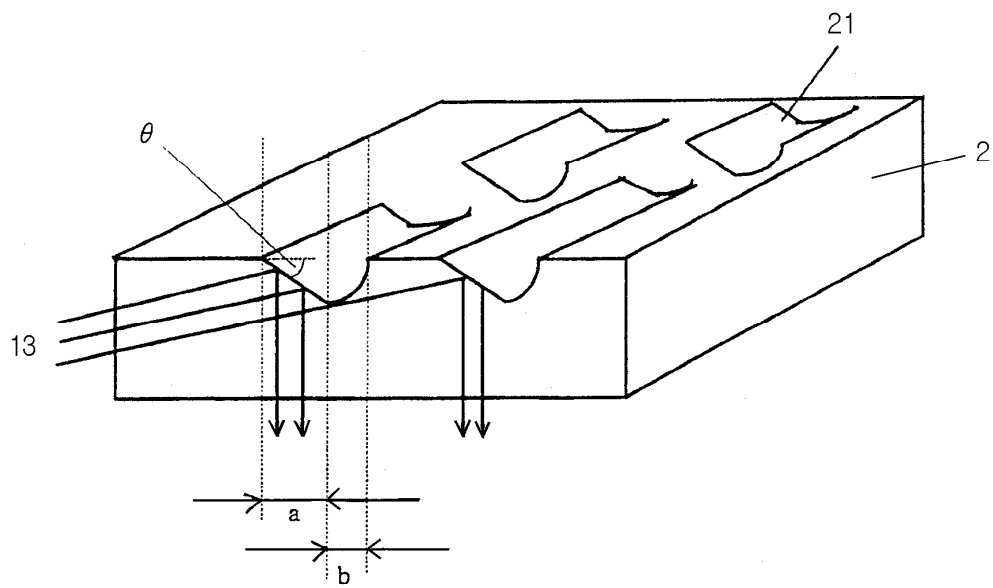
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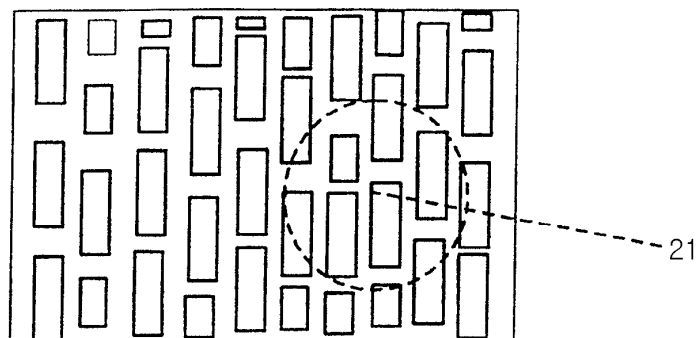
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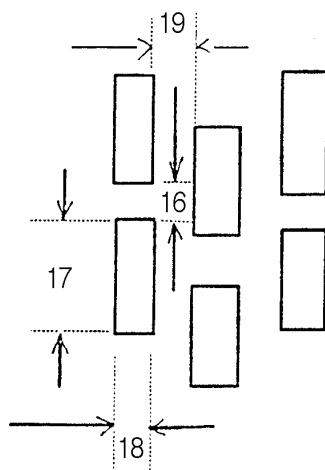
3



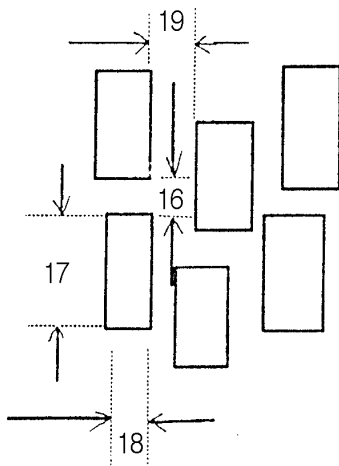
4



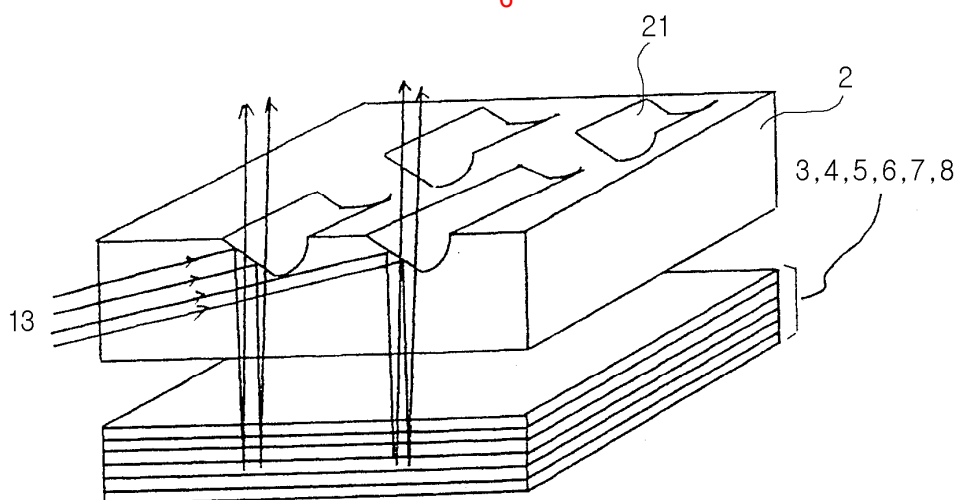
5a



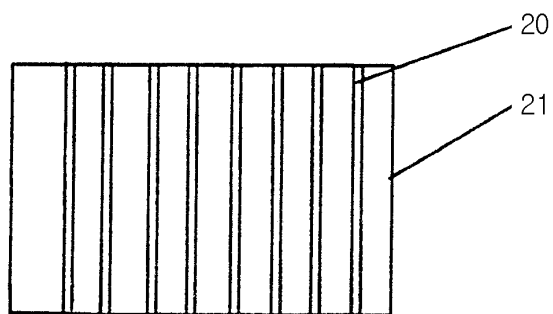
5b



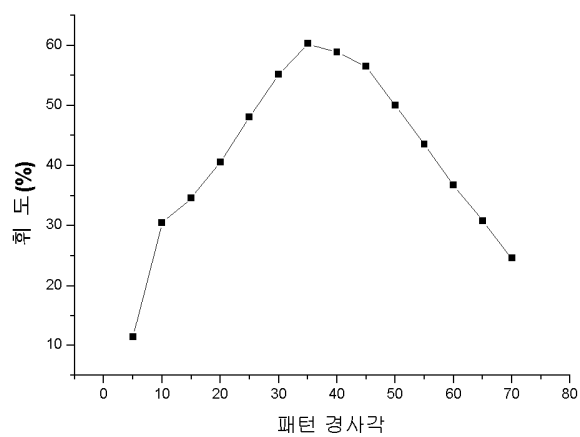
6



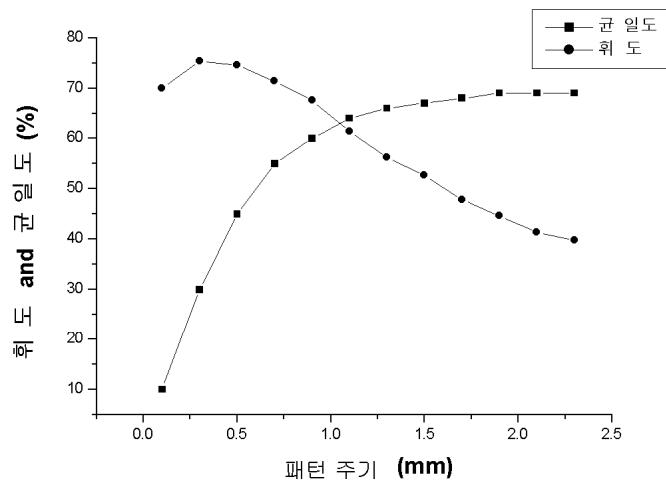
7



8



9



专利名称(译)	前灯用于反射液晶显示器		
公开(公告)号	KR1020030044623A	公开(公告)日	2003-06-09
申请号	KR1020010075445	申请日	2001-11-30
申请(专利权)人(译)	佑荣有限公司		
当前申请(专利权)人(译)	佑荣有限公司		
[标]发明人	HAN KWAN YOUNG 한관영		
发明人	한관영		
IPC分类号	G02F1/13357		
代理人(译)	JEON YOUNG IL		
外部链接	Espacenet		

摘要(译)

前灯技术领域本发明涉及一种可用于反射型液晶显示器的前灯，并且包括多个图案（14），用于引起从前光的上表面上的线性光源入射的光（13）的全反射。并且每个图案的光入射表面具有相对于前光平面倾斜的形状。从线性光源入射的光被前光上的图案全反射到液晶显示器的反射板，并且来自反射板的反射光线性地返回到前光并透过前光。6 指数方面 前灯，反光液晶显示器，图案，线性光源，对比度，亮度

