

(19)
(12)

(KR)
(A)

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G02F 1/133

(11)
(43)

2003-0071469
2003 09 03

(21) 10-2002-0067442
(22) 2002 11 01

(30) JP-P-2002-00053655 2002 02 28

(72) 2 2 3 가 가

2 2 3 가 가

(74)

1

(54)

2 1 , 1 , 1 , 1
가 . 1 , 1 , 1 , 1
가, 2 . , 1 , 1 , 1
가, 2 . , 1 , 1 , 1

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3: 4:

5: 6:

7: 8, 9:

18: 19:

20: 21:

가

, 9 10 , (69) , 7 8 , (58) , (71) , 9
J (69) , . , (71) , 9
, 7 8 , (51) , 2 , 1

1 , (3) 가 (4) , (1) , (2) .

, (1) , (5, 6) (5) (8, 9) (6) μm (7)

(5, 6) , 8 , , , PVA() 0.6 mm 2

, 0.12 0.4 mm

(1) , 2 (13) , , (5) , (3) , (10, 11) TFT(12) 가 (10) , (11) , 가 ITO

, (6) , (14), (15), (16) (17)

(14) , , , (16) , 1 2 μm 1000 1500 ITO

, (17) ,

(2) , 2 (19) , (3) (3) , (19) (18) , (19) (18) (1) (20) , (21)

(19) , , (20) (LED)

가 , 1 mm

2:

3 , 1 (18) (23) (27) 1 (19)
 (4) (22) (23) (27) 1 (19)
 2 , , ,
 1 2 , ,
 1 2 , ,
 3 (18) , (3) (23) (20) . 22 25 , (3)
 1 , 22 , (4) 2 25 ,
 3 ,
 .

3:

4 , 1 (1) (28) (31, 32) , 가 가 ITO . , 5 , 2 (29, 30) ,
 (28) (31, 32) , , 30 , (28) (33) , , 29 ,
 1 , 4 , , , 1 2 , , 4 5
 1 2 , , , 1 2 , ,
 , 5 , , 2 (30) , 1 (18) (29) 2 (19)
 2 , (30) , (33) , , , (30)
 4 B , , ,
 가 가 , , ,
 .

4:

6 , 4 (29) 1 (18) (19) (2)
 1 (36) , (37) 2 (30) , (34) (35) 1
 . (35, 38) , (38) 2 (34) (39) (35) ,
 . , , , (40, 41) (35, 38) (35, 38) , (42, 43)
 . , 34 37 , 4 (18) ,
 .

6 (37) , 1 (29) 2 (30) (34) 2 (35) (3)
 1 (38) 2 가 , 1 , 1 2 (29) 2 (29) (30) 2
 0) , 5 , , ,
 6 (30) , 1 (29) 34 가 , 2

, 1

가

, 1

, 2

(57)

1.

2 1 , 1 , 1

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가 ,

가 ,

가 ,
2

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1 , , , , , 1

1 , , , , , 1

가 , 2

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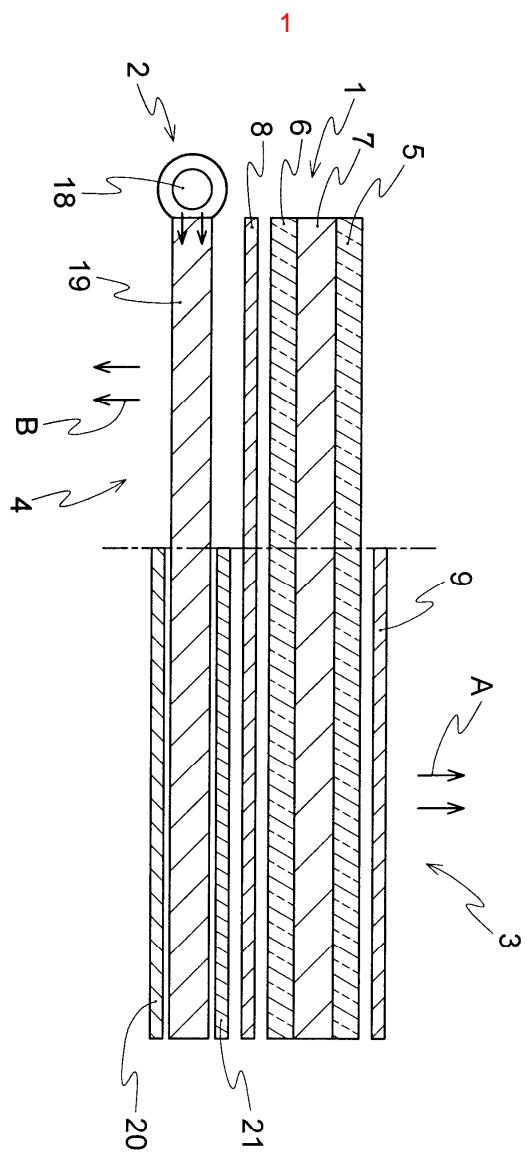
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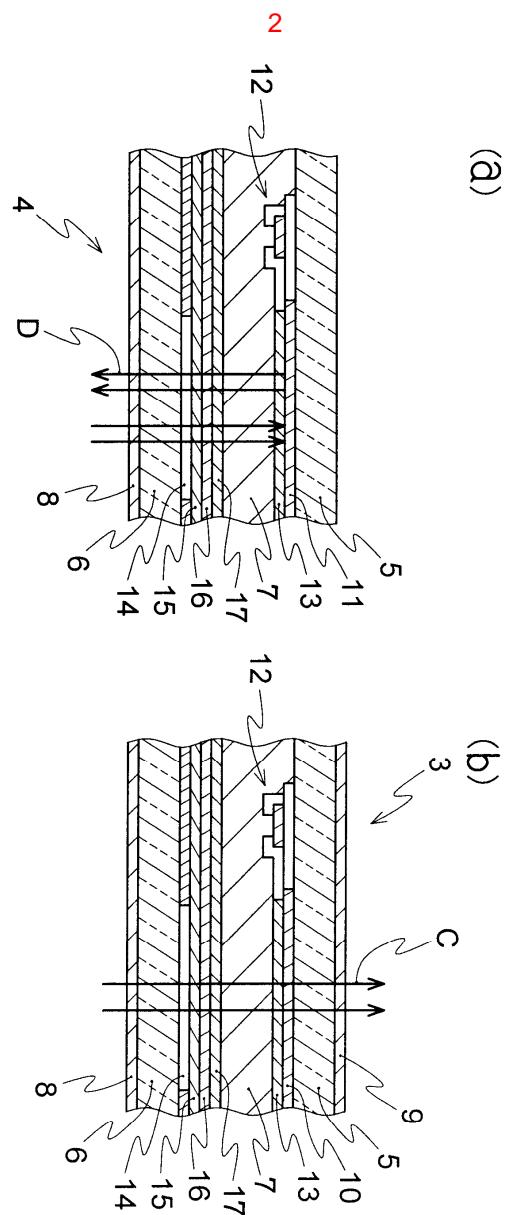
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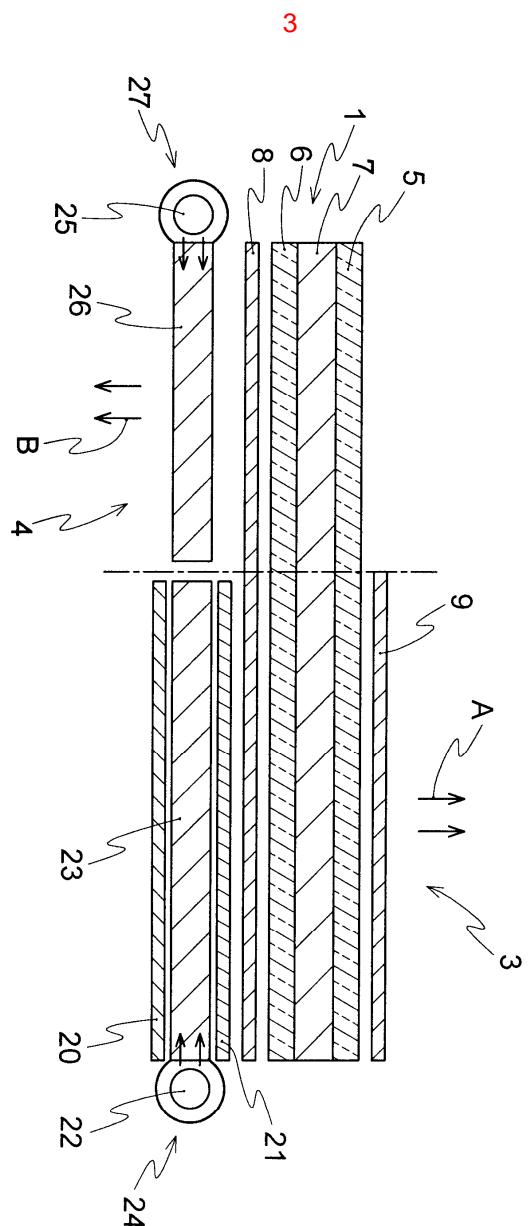
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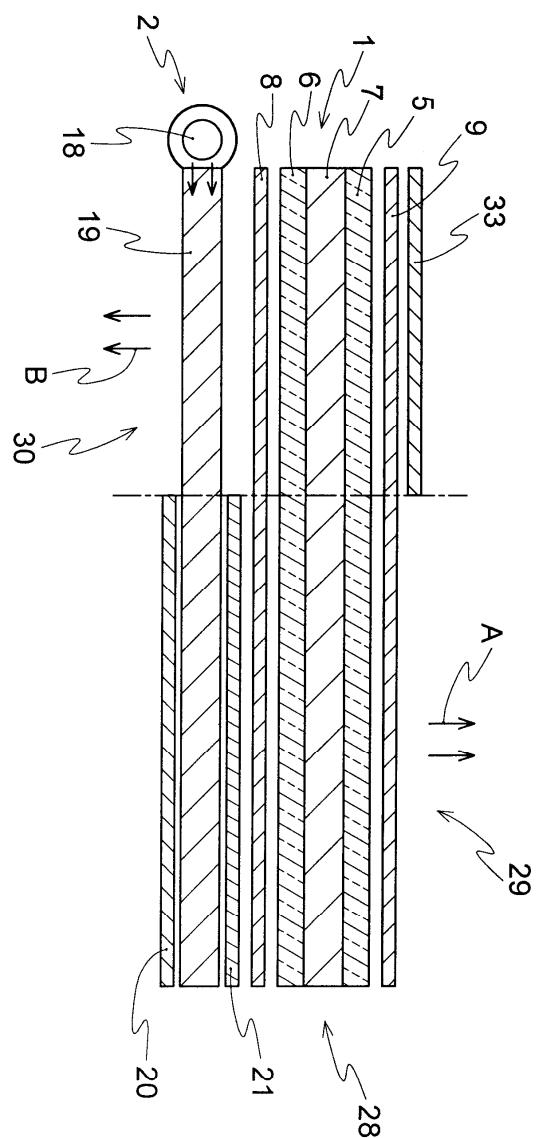
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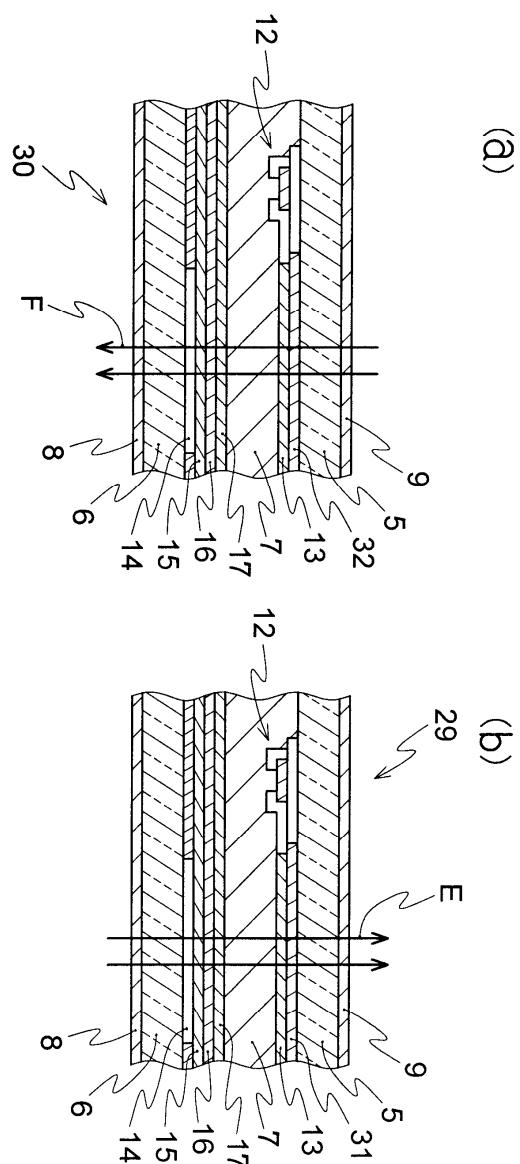


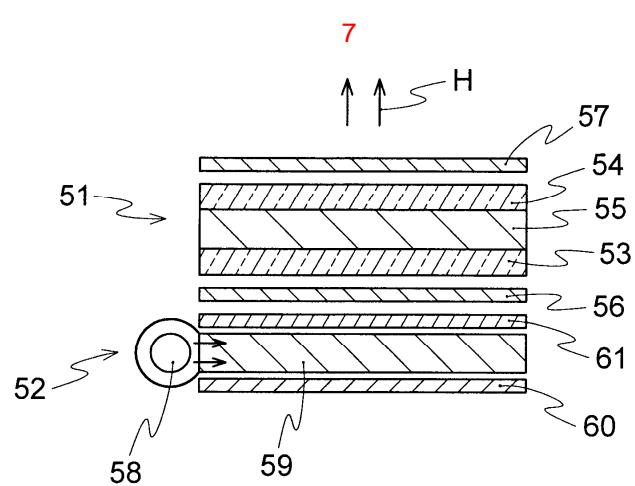
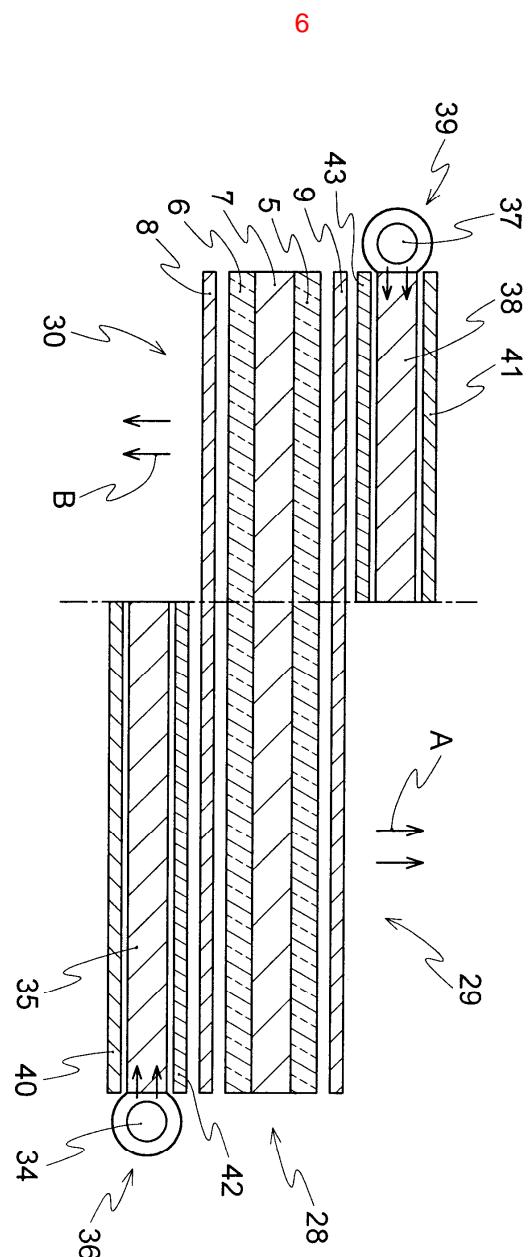


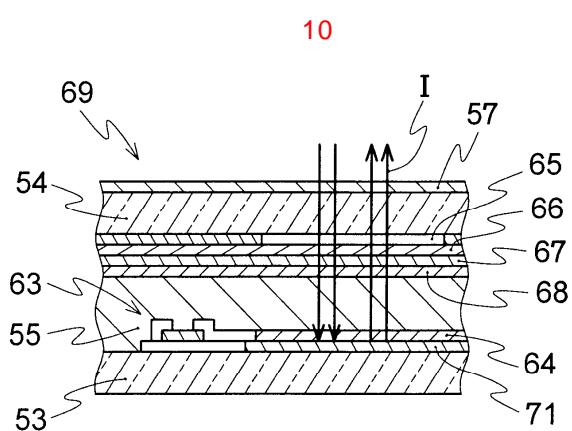
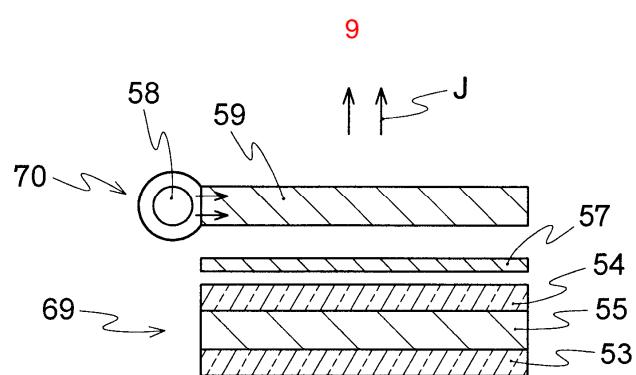
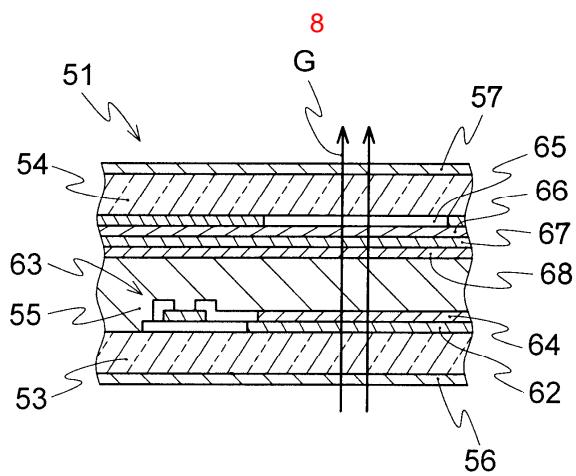
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专利名称(译)	液晶显示器		
公开(公告)号	KR1020030071469A	公开(公告)日	2003-09-03
申请号	KR1020020067442	申请日	2002-11-01
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申请(专利权)人(译)	三菱电机有限公司		
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发明人	스즈키유타카 도이요시후미		
IPC分类号	G02F1/1335 G02F1/13357 F21V8/00 G02F1/133		
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优先权	2002053655 2002-02-28 JP		
其他公开文献	KR100516817B1		
外部链接	Espacenet		

摘要(译)

提供一种液晶显示器，包括液晶面板，至少一个光源和至少一个场的导光板。对于液晶面板，液晶被密封在两片1场的透明基板的间隙中。液晶面板具有透射区域和反射区域。液晶面板一侧的部分包括用于透射区域的第一显示表面。并且液晶面板另一侧的侧面部分包括用于反射区域的第二显示表面。因此，使用1场的液晶面板可以进行侧面显示。可以实现液晶显示器的薄整形和低成本。液晶显示器，双面显示器，液晶面板，透射区域，反射区域。

