

(19) (KR)  
(12) (A)

(51) 。 Int. Cl.<sup>7</sup> (11) 10-2004-0017239  
G02F 1/13 (43) 2004 02 26

(21) 10-2003-7016648  
(22) 2003 12 19  
2003 12 19  
(86) PCT/US2002/019506 (87) WO 2003/001280  
(86) 2002 06 20 (87) 2003 01 03

(30) 60/299,886 2001 06 21 (US)  
(71) 55133-3427 . . 33427  
(72) 가 , , 9836  
,45242 , ,  
,45208 , , 3302  
(74) :

(54)

(11) LCoS (21) .  
(37) (13) (30, 31, 33) .  
(15, 17) (39) . ,  
(41, 43) 가 , .

1  
 , LCoS , ,

가 (color wheel) DLP (single chip DLP projector) (spot) 가 가  
 , LCoS DLP (relaxation time) (frame by frame)가 (row by row) 가  
 , 2000 2 2 6,266,105 B1('105 ) EP 0977422 A2  
 , '105 . Brennesholtz,  
 Matthew S. ' (Color-Sequential LCoS Projector with a Rotating Dr  
 um)'(SID 2002, 51.4, 1346 1349 , 2002 ) , '105

가 ( LCoS )

(a) ;  
 (b) 가

(a) ;  
 (b) ;  
 (c)

가 ,

.  
  
1  
2 1  
3 1 LCoS 가  
.  
4 2  
5 4  
6 가 4  
\* \*

11 :  
13 :  
15 :  
17 :  
19 :  
21 : , LCoS  
23 : (21)  
25 : (23) ( )  
27 : (23) ( )  
29 : (23)  
30 :  
31 :  
33 :  
35 :  
37 :  
39 :  
41 :  
43 :  
45 :

47 :

49 :

51 :

53 :

55 : 가

, LCoS, (row-by-row)

(37) (assembly; 13) (30, 31, 33)

(15) (integrator; 17)

(39)

가

2001 9 27 PCT WO 01/72047 6,361,172

1 (11) (15),

(17)(1997 4 29 5,625,738 'ormly Illuminating a Light Valve)', (13) (19) (Apparatus For Unif

(15) (17) (entrance window) (19)

) (21) (exit window)

1 UV, (cold mirror) / 6,139,157

가, 가 가

1 (13) (37)

(13) (45)

가

(39) 가 가 가 /

2 (13), 가 (45) 1

(opaque strip; 35) (30, 31, 33)

(dichroic filter)

가 (23) ( ) ( 3 ). (21)

x=0.30 y=0.31

(relaxation time)

2 가 가

가 가 가

1 (13) 4  
 - (plano-parallel plate) (segment)(51)  
 , (housing)  
 , 가 5 6  
 (angle-ground)  
 ( 5), (gap)  
 가 ,  
 ( 3 ), ( 3 ).  
 , 6  
 가 가  
 가  
 가  
 가  
 가 1  
 (39)  
 ( )가  
 (high pressure mercury arc lamp; UHP)  
 )가  
 가  
 , , , , , , , ...)  
 , , , , , , , , ...).  
 가  
 , 가 , 가  
 ( 가 )  
 / ( / )가

(57)

## 1.

(a)

(b)

## 2.

1

(dichroic filter)

3.  
1 ,

4.  
1 ,

(opaque strip)

5.  
1 ,

6.  
1 ,

(segmented)

7.  
6 ,

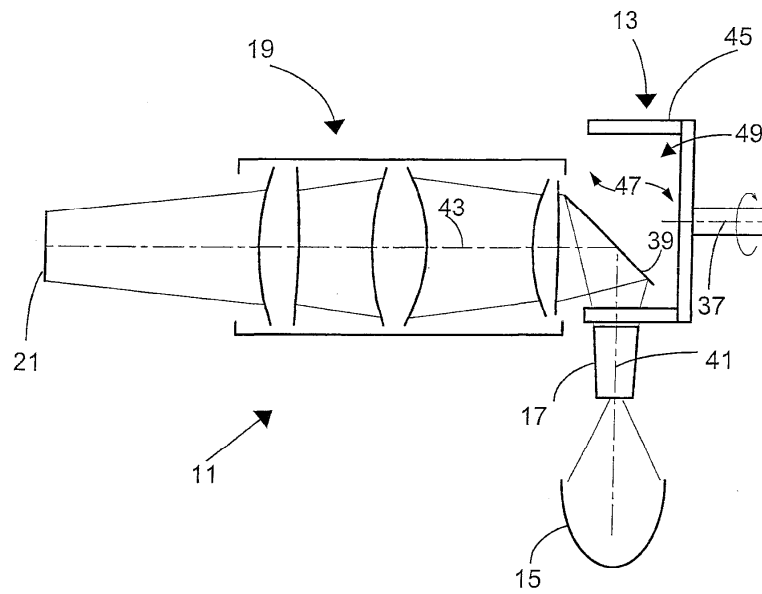
가 (angle-ground edge)

8. (a) ;

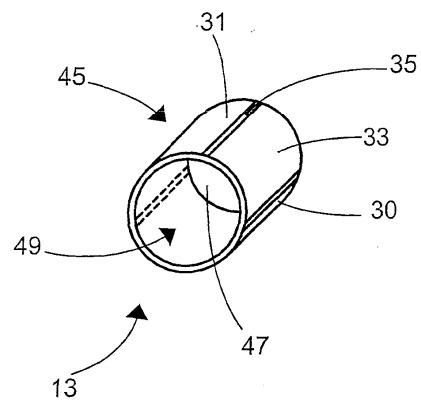
(b) ; ,

(c) .

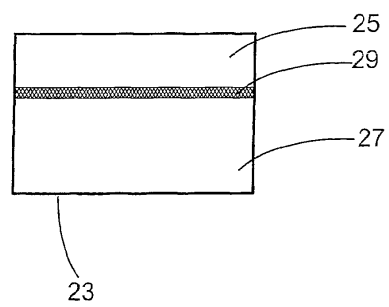
1



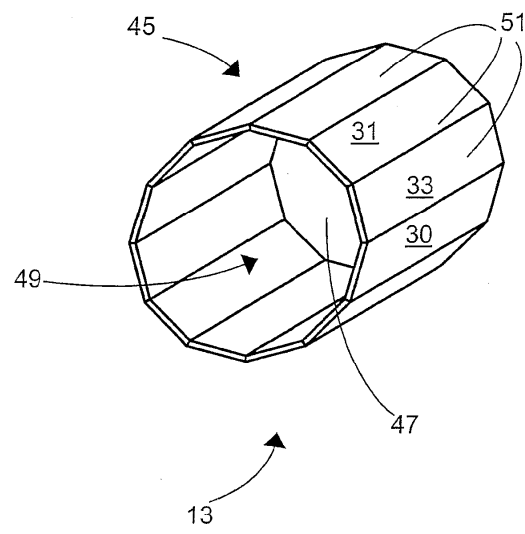
2



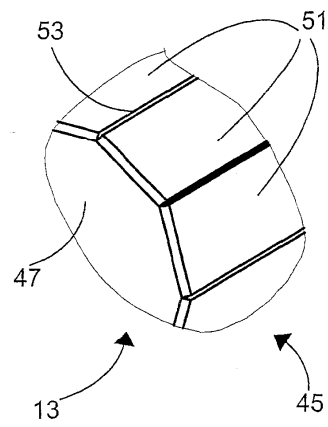
3



4



5



6

