

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

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2001 01 15
(86) PCT/US1999/15952 (87) WO 2000/04406
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(30) 09/116,230 1998 07 16 (US)

(71)

11973 460 40

(72)	11949	6
	11713	91
	11772	

(74)

(54) -

(10)

(16) 가 (導波管)(16a) , (saw) , (12)

1

525 4 / CRTs(cathode ray tubes)
 가
 CRT

가 (viewing angle), (明度)
 wing angle), (brightness), (contrast)
 (viewer) (viewing screen)
 (viewing image) (phosphors)
 CRT (view)

5,625,736 (導波管) 가

(a lower index of refraction)

가

가

가

가

가 , 2 , , (saw)

1

2

$$\begin{array}{ccccccccc}
 1 & & (10) & & & & & (10) & \\
 (16a), & & (16a) & & (18) & & & (16), & (18) \\
 (12), & & (21) & & . & & & & 2
 \end{array}$$

4) (18) , , , (12) (14) , (18) 가
 (12) (18) . (10) (18) (16a) (16a)
 (16a) , , (12) 2 (16) (16a) ,
 , 가 가 (16a) ,
 0.004" 가 Lexan()

(16)	(16a)	(16)	(18)	(16)	(18)
(12)	(12)	(18)	,	(16)	(18)
.	(16)	(18)	(19)	(18)	(th)
e acute face angle)(A)	가	,	(12)		
(A)	1°	10°	,	5°	(18)
	가	가	(10)	가	가
	.	(10)	(16)	.	
가	.			(16)	
				4:3	16:9
가 100cm	133cm		,	5.0	8.0cm

(21) (14) (12) (22), (24),
 (imaging optics) (25) . , (14) (22) (22) (22)
 , , , LED (22) (14) (pixels)
 (24) (24) (24) , LCD(liquid
 crystal display), DMD(digital micromirror device), (raster scanner), , CRT, F
 ED (25) (25) (25) (light folding mirr
 ors) (24) (12) (14) (14)
 (14) (18) (16) (14) (12) (25)
 , (16)

(10) , (16) , (12)
 (14) (16)
 , (mirrored serration), , (holographic coating),
 (series of lenses), - , (Fresnel prism)
 . . .
 2 - (10) . . .
 (10) 1 (10) . . . , (14)
 . (12) . (16) , (16a)
 (18) . .

$$\begin{array}{ccccccccc}
 & & (14) & & & (26) & & & \\
 (26) & & (28) & & & (26) & & , & (28) \\
 & (16) & (12) & & (16) & & . & (30) & (16) \\
 & & & (28) & & & . & & \\
 \end{array}$$

(polish) 0.0002"

(28) (30) (clear epoxy)

, (clear substance)
(deposition techniques)

(57)

1.

, 가 , 가

2.

1

3.

2

4.

2

5.

2

6.

5

7.

6 , 1° 10° 가

8.

7 , 5° 가

9.

2 ,

10.

2 ,

11.

1 , 가

12.

11 , ; (light modulator); (imaging optics)

13.

12 , , , LED,

14.

12 ,

15.

14 ,

16.

14 , , LCD(liquid crystal display), , ,
(raster scanner), FED, CRT

17.

12 ,

18.

- 12 ,
- 19.
- 1 ,
- 20.
- 19 ,
- 21.
- 1 ,
- 22.
- 1 ,
- 23.
- 1 , 1 , 1 , 2
↗
- 24.
- 1 ,
- 25.
- 24 ,
- 26.
- 1 , (frosted)
- 27.
- 1 ,
- 28.
- 27 , 0.004"
- 29.
- 27 , BK - 7
- 30.

1 ,

31.

30 , Lexan()

32.

1 , (plexiglass)

33.

1 , (clear coat)

34.

1 ,

35.

1 , (polymethylmethacrylate sheet)

36.

1 , (plastic laminate)

37.

36 ,

38.

1 , (one light redirection element) ↗

39.

38 , (holographic coating), , ,
- , (serrations), (Fresnel)

40.

1 ,

41.

40 , , , (裏面) 가 ,

42.

41 , 4:3 (縱橫比) 가

43.

41 , 16:9 가

44.

41 , 5.0 8.0cm , 100cm , 1
33cm .

45.

가 2

1 (trough) 1 ;

가

(baking)

2

가 2 (sawing)

46.

45 , , , , (cyanoacrylates),

47.

45 ,

48.

47 , 90 °

49.

47 , 500 800

50.

45 ,

51.

50 , 0.0002"

52.

45 , (baking) 80

53.

45 , (sawing) (saw)

54.

45 , (polisher) (sawed stack) 가

55.

45 , (frosting) 가

56.

2

1 (trough) 2 가 1

;

;

;

가 ;

(baking) ;

;

가

2

(sawing)

57.

56

,

2

58.

56

,

59.

2

가

가

가

가

;

가

2

(sawing)

60.

59

,

가

가

61.

60

,

62.

60

,

63.

59

,

(glue)

64.

59 ,

65.

59 ,

66.

59 ,

(thermal deposition)

67.

59 ,

가

68.

59 ,

가

69.

, :

2

2 가

;

(black ultraviolet curable adhesive)

;

;

(ultraviolet radiation)

;

가

2

(saw)

70.

69 ,

(saw marks)

가

71.

70 ,

(polisher)

72.

69

,

73.

69

,

500 800

74.

69

,

0.0002"

가

75.

69

,

76.

69

,

0.5" 1.0"

가

77.

,

2

가

;

;

;

가

2

78.

77

,

(black polyethylene)

e)

(black polyethylene)

79.

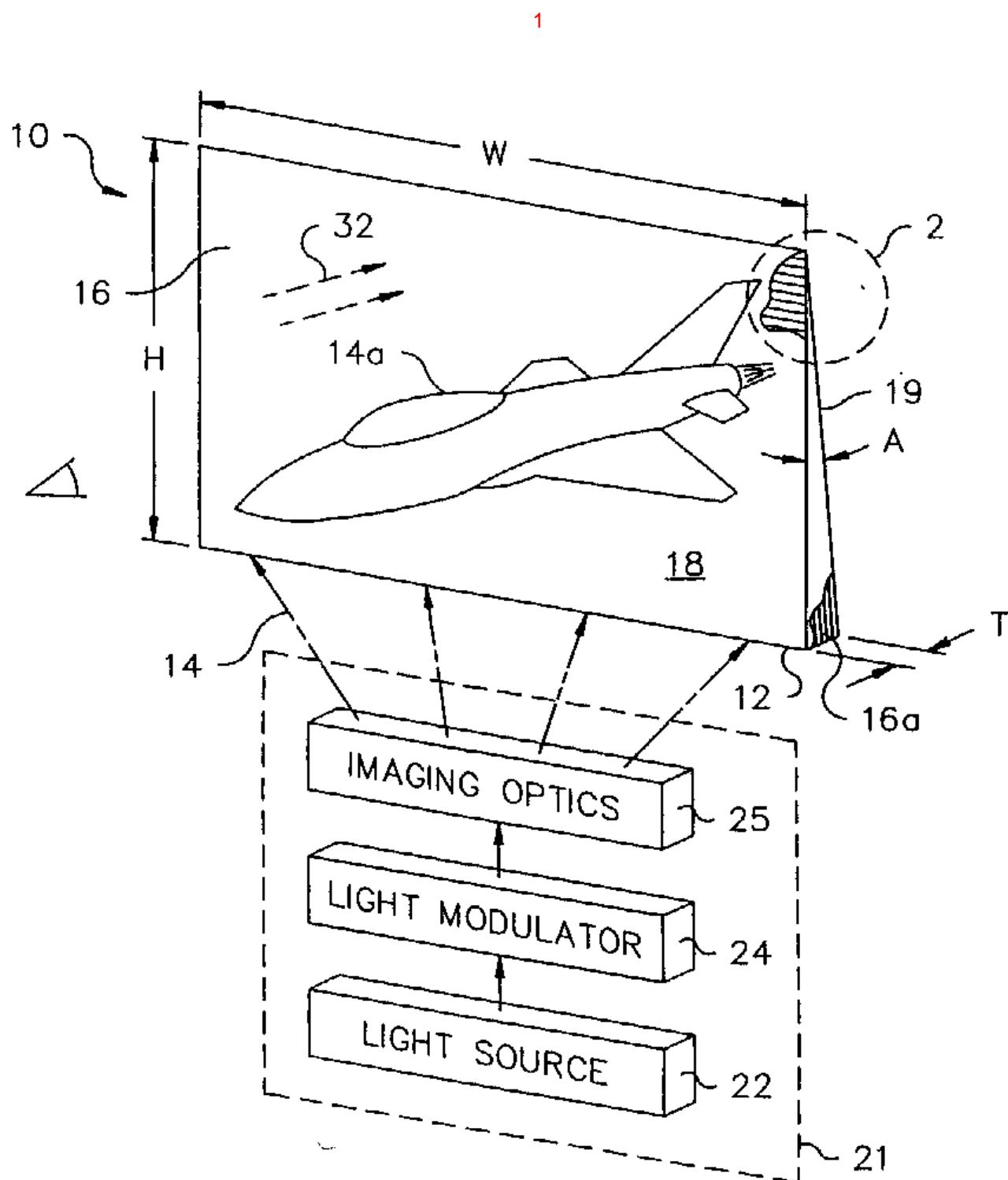
77

,

80.

77

,



2

