

(19)
(12)

(KR)
(B1)

(51) 。 Int. Cl. ⁷
G09F 9/302

(45)
(11)
(24)

2003 03 28
10 - 0376893
2003 03 07

(21)
(22)

10 - 2001 - 0034289
2001 06 18

(65)
(43)

2002 - 0096121
2002 12 31

(73)

4186

(72)

122 - 42402

(74)

:

(54)

가.

LEDPCB LED ,

LED , 가가 ,

LED , 가가 ,

3 , , LED(light emitting diode) LED(

20) (12) , PCB (6), PCB (6) LED(20)

(4) (2)

.
LED .

1

1

2

3

4

5

6

<

2: 4: .

6: PCB

3 , , LED PCB ,
LED

가 , 6 (42) ,

(42) (44) , 가 (42)
(46) (48) , (46)
가 .

(40) (42) (44)
가 , (44) (가
48) 가 .

가 가
,
(,) 가
.

CRT() FDT , CRT FDT
LED 가 .

가 , 가 .
CRT CRT CRT 가
,
LED가 6 70,000 , 2,000cd/cm
2 , LED 62.5m/m .

LED , 가가 가 .
, LED , , ,
가 가 가
가 가 가 .

, LED PCB , LED 3 ,

L

ED

SQm²

가

가

1 (iode) 4 (2) (6) 가 PCB 3 (6) (4) (6) LED(light emitting d

(14) (2) (10) (10a) (16) (14) (22)가 PCB (6) LED(20)

(6) (32) (16) (2)

(32) (2)

LED (6) (14) (18) (6) (2)

(2) (6) 가 (6) (16)

PCB (6) LED(20) LED(20) 3 LED(20)

(6)

LED(20) (6)

(6) 가 (2) (4) LED

(2) (26) (2) (16) LED(20) (12)

(28) LED(20)가 (24) (4)

(4)

LED

5 (8) 가 가 (4) (8)

(6) PCB (6) 3 RGB LED(20)
 (6) LED(20)
 LED(20)가 (6) (2) (14) (16) (6)
 PCB (6) (22)
 , PCB (6) LED(20)
 (4)
 (4) 가
 (4) (8)
 (2) (32)
 (2)
 PCB (6) LED 가
 PCB (6) LED가 LED 3
 (R), (G), (B)
 3 , , LED
 LED

(57)

1.

() (2) LED(20) PCB (6)
 , LED(20) LED가 (12)
 가 (4)

2.

() 1 , (2) (10) (10a) (16)
 (14) PCB (6)

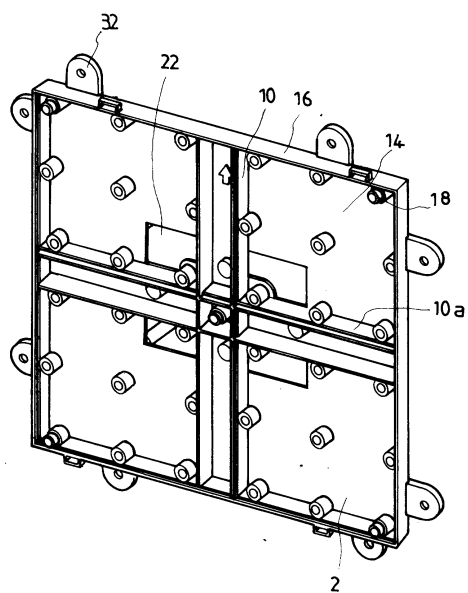
3.

() 1 , (4) (2) (28) (26)

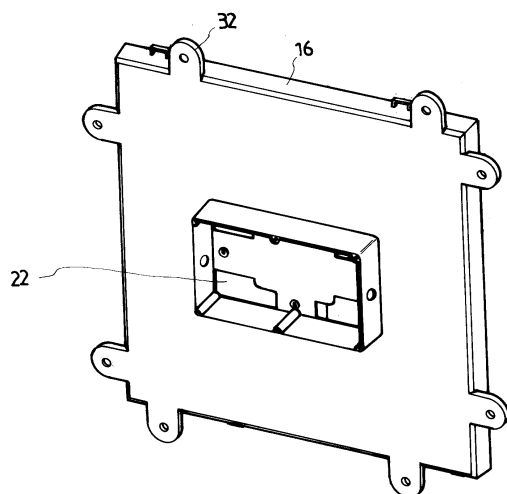
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() 1 , (4) (8) 가

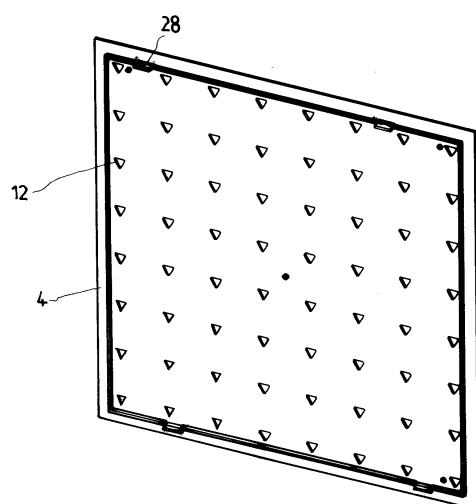
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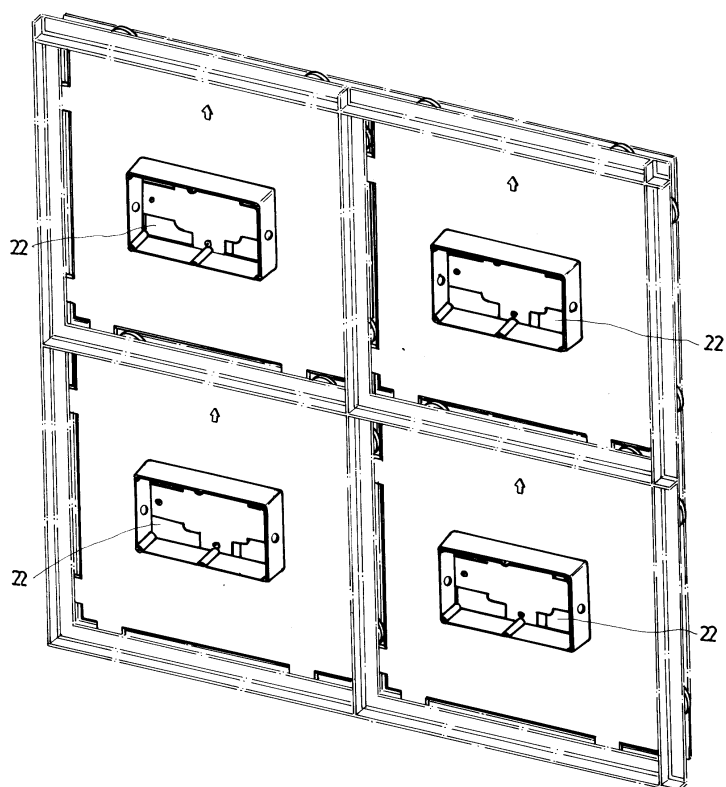
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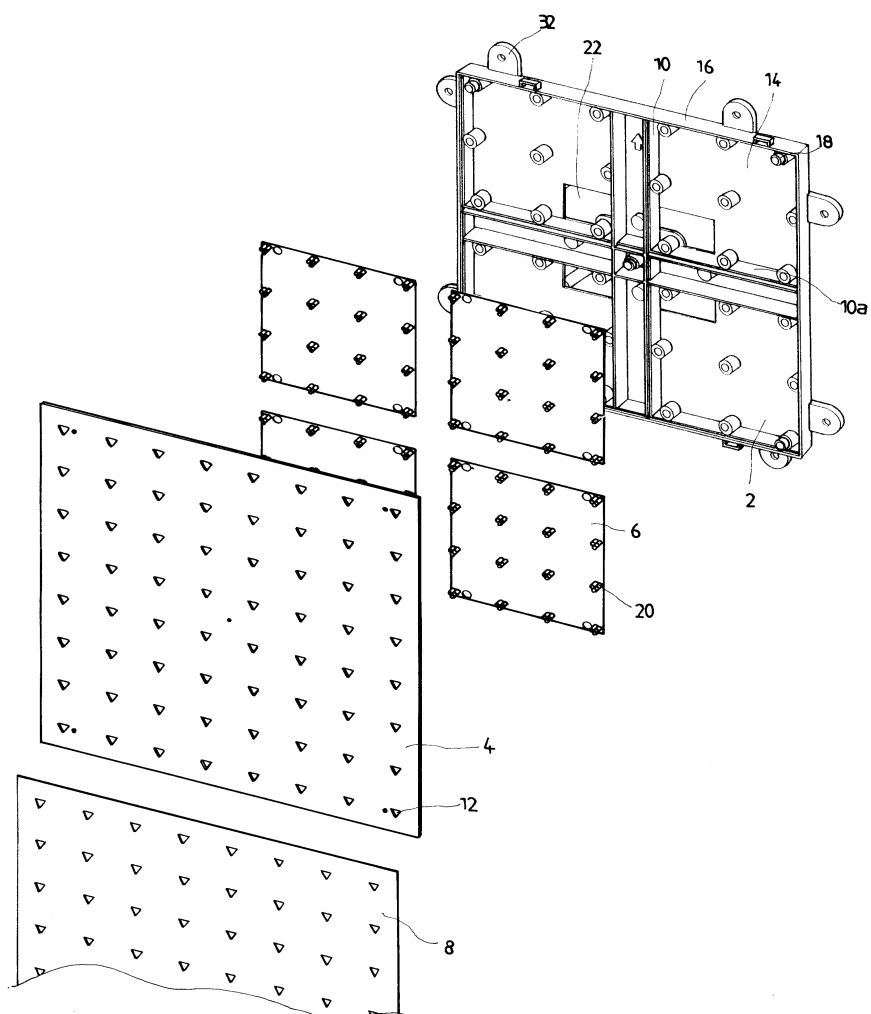
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4



5



6

