

(19) (KR)
(12) (B1)

(21) 10 - 1996 - 0007811 (65) 1996 - 0036054
(22) 1996 03 22 (43) 1996 10 28

(30) 95 - 03501 1995 03 24 (FR)

(73) , 78141 ,

(72)		
	, 92402	. . . 329
	가	
	, 92402	. . . 329

(74)

1

(54)

, HF , , , , 가
HF
(a table of values) .

1

1

(tactile designation system)

2

6 (tactile surface)

7 6

8 6

*

1 : 2 :

3 : 4 :

6 : 8 :

9 : 10 :

(high - resolution transparent capacitive surface)

(tactile designation device)

, , , 가 , , , (100 × 100mm
) , , , 가 . . . ((de
 signation areas) , , , (capacitive detection) (continuou
 s conductive surface) 가 , , , 가 . . .

- (discrete capacitive mode)

- (continuous capacitive mode)

- (resistive strain gauges)

- (deformation)

- (detection zone)

가 ,

(discrete keys) 가
(conductive supply track)

가 . . , () ()

, (guidance), (height - wise) , (floating)

, () 가 .

(touch surface)

1 , 가 (5) (1) . (4) (3) (4) (3) (comm
 (2) HF () 가 (3) (1)
 on point) (6) .

2 (1) 2 688 957 ,
 5 (7A 7D) (1) (1A 1D) ,
 (9) .

, , (2) 500kHz 50MHz 2MHz (3) ,
 100 700pF (1) , (1)
 , 500 20,000 (ohms) , , (3)
 , (1)

, 가 ()

(1) (10) (2 3) . (11) (10)
 , 가 ITO(indium - tin - oxide) (11) , (1A 1D) (11) (10)
 (12A 12D) (12A 12D) (13) 가
 (10) (14) .

6) 가 (1A 1D) (1) (16) (1) (1)
 (1) (15) , (15) (16) ,
 erture: 17) (printed circuit) (15) (15) (11) (16) (ap
 (16) (15) , (16) 가 , (17) (16)
 (15) , (1) (1)

4 , (15) (1) (1A) (19) (15) (1A) (18)
 , (21) U (20) 가 , 가 (22) .

(washer) (22) (11) (24)가 (21) (111)
 (15) (1) (7A)가 (bonding)
 , (1A) (25)
 (26)

$$6 \quad (1) \quad . \quad (4) \quad , \\ (1) \quad (1A \quad 1D) \quad (4) \quad (4A) \\ (27) \quad , \quad (4B)$$

(4A) 가 (28), (29), (30; DC)) 가 . (31)
 (31; (31A) (9))
 . (28 31) (6) .

(4A) (e) (1) 偈 (indeterminacy) ().

1D) , " " , 가 (1) (1) . (1A)
," , (passasge)

가 (31) 가 . . ,
 가 (1) (Zone) 가 ,
 . ,
 , ,
 , , (9)

(1)

$$1D), \quad (12) \quad 4A \quad , \quad (1A)$$

$$, \quad , \quad \text{가} \quad , \quad , \quad (9) \quad (31)$$

가

,
 (\dots, \dots)
 $(\dots, \dots) \vdash \dots$,
 \dots)

(57)

1.

가

가

,

,

,

,

,

,

(pole)

()

,

,

,

2.

1

,

500kHz 50MHz

3.

1

2

,

100pF 700pF

4.

1

2

,

5.

1

2

,

가

6.

1

2

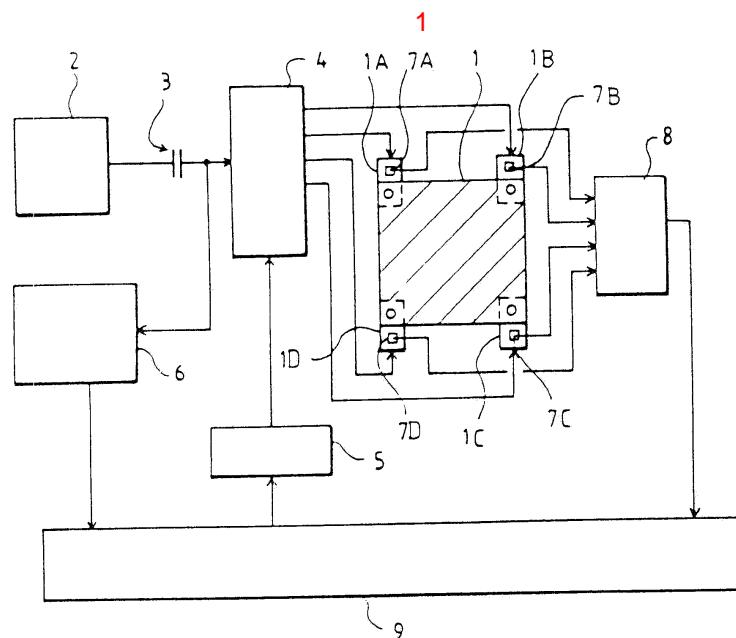
,

7.

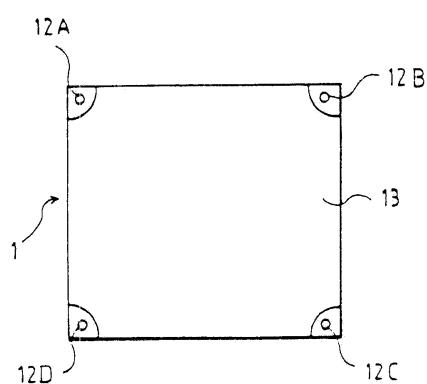
6

가 (virtual key)

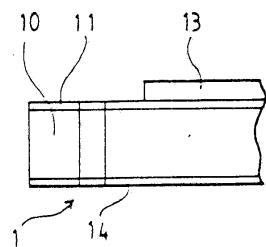
(cartesian network)



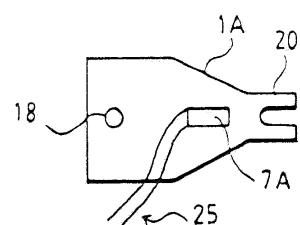
2



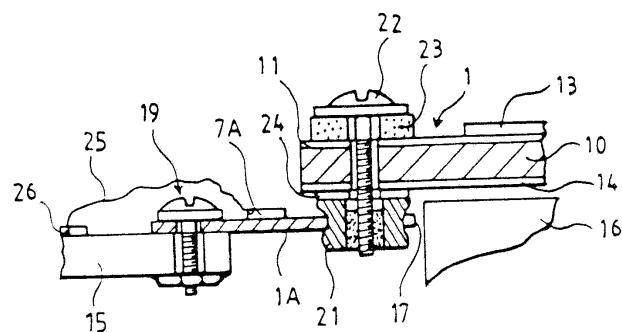
3



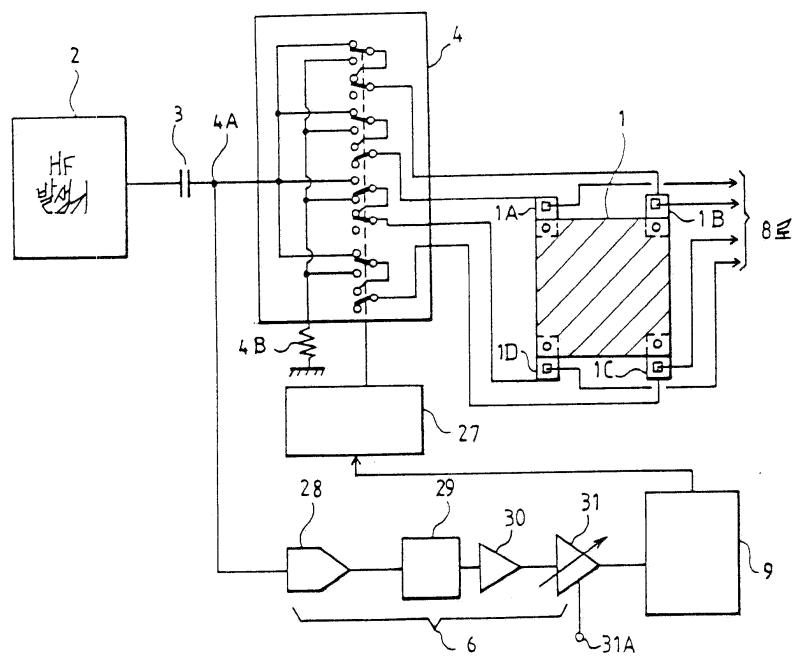
4



5



6



7

	1A	1B	1C	1D
t1	e	∞	m	∞
t2	∞	e	∞	m
t3	m	∞	e	∞
t4	∞	m	∞	e

8

