

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

(51) . Int. Cl. <sup>7</sup> (11) 2002 - 0048987  
G06F 3/02 (43) 2002 06 24

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(22) 2002 04 27  
2002 04 27  
(86) PCT/US2000/29647 (87) WO 2001/31788  
(86) 2000 10 27 (87) 2001 05 03

(30)	60/163,996	1999	10	27	(US)
	60/164,656	1999	11	04	(US)
	60/164,597	1999	11	10	(US)
	60/169,149	1999	12	06	(US)
	60/194,767	2000	04	03	(US)
	60/208,619	2000	06	01	(US)
	60/220,578	2000	07	25	(US)

(71) 가 , 11024. , 11

(72) 가 , 11024. 11

(74)

1

(54)

1

가 (speech), (function) ( ) .

100 가

가 가  
, PDA, , , , TV ,  
12 ,  
12 7 . , 80

가 ( , ), , , ,

, (disambiguating)

/ (speech) .

" , " D" " T" (speech) . , /

가 ( LC )

(two, to, too)

( , 24).

(                   ,                   six by four, 6 by 4, 6 x 4)

( , B, P)

(lock)

가

< >

가 , " , . , (activity) ,  
( , 0 9 10 , , 10 , 가 ),  
가 .

가 2 ( ; tap) , , , , 가 1



1 , 가 , , ,

2 , 가

4 ,

5 , 4 1

6a ,

7 가 , , , , 가 , , .

8 , 가

9 , 가

10

11

11a

13

13a

14a	,	,	
14b	,	,	
14c	,	,	
14d	,	14b	
14e	,	14b	
15	,		
15b	,		
15c	,		
16	,		LCD
16a	,	LCD	
16b		LCD	
16c		LCD	
16d		LCD	
16e		LCD	
16g			
17			LCD
18	,		P
DA			
19	,		
20	,		가
21	,		
22	,	20	가

23

24

25

26

27a

27b

28

29a

29b LCD

29c

1 , (122) 가

， (124) が，

, (128 - 136) が  
, , (activity)  
(128, 130)  
, (132, 134)  
, (136)

가 ,  
가 ,  
가

3 (302) (300) . , (306) / (304)  
, 4 (40) (402) (406) (400)  
, , ,  
7

6a (600) . (604) 가

, 6b (650) 2 (652, 654) (656)  
· , ဂ ဂ

가 , 7 가 7 , 가 , 7 ,

가 가 가  
가  
가 가 가 가

가

5 가 / 10 가  
가 가  
" (template)" 가  
가

가 (704)

7 , (706 - 712) (706, 710) 가 (704) (702)

가 (704) 가  
가 (706, 712) 가  
가 (704) 4 가  
가 ,

가 , 가  
· , 가

, 가 / 가  
· , 가 / 가  
,

( , )

가

가

가

가 3

가

가

가

가

가

가

가

가  
가

가

가

8 가 가

(800)

(800)

7

(804)

(802)

8

(800)

가 (808)

(802)

, 가 (808) , (806) 2, A, B, C, @

(810)

(806)  
4

가

가 (808)  
(810)

(800)

(804)

가

가

, 10 (1020) 9 (1040) (1  
000) , , , " E" " E"  
'3' (102) " E" (102) " E"



가 (1104)

가  
가  
가  
,

, 12 (1202) 12 (1200)  
(1202) , , (1202)

3'

가 , , , 가 , 가 , 가 ( 10). , , (1020) , , ( 10) ' 3 '

(1300) 1320 , (1308), PC (1310), (1312),  
/ (1314), (1316), (1318) , , ,

(1308, 1310), 가 . . . . . , 13  
(1308) 1( ) (1306), 2 (1304)  
. , PC (1310) PC (1302) . . . . . , 1 , (1320)  
' & ', '6', ' \ . '가 . . . . . , 가 . . . . . , 가 , 3  
, 가 . . . . . , '6' . . . . . , 2  
" " " "

가 (1300)  
2 (1304)  
가 (1320)  
'0'  
가 (1320)  
'0'

, 가 2 가 , ' > ' , ' > ' 가

(1428)( 14) 가

14 428)	가 ,	가	(1408),	(1426),	(1)
(1402)	(1404)	(1406)	2	1	가
가 (1422, 1424)			가 (1422)	2	( (1406))
가 (1424)	1	( (1404))		,	(1402) 가 (1
424)	1	가		, (1420)	? 2 &
,	,	가	,	,	14b
가				가	가
404, 1406)			(1404, 1406)		(1)
,	PC	13	14b(1458)	가	가
,				가	
,				가	

가 . (square)

가 (1408) 가 (1408) 가 (1408) 가 (1400)



1455 , 3

, 3 . 0 9 ,  
, " \* " " # " . (1454)

( )

'Bk' (1458) (1460)

가

가

가

가

가

14c

(1470)

(1470)

(1470)

가

가

가

(1470)

가

가

(tone)

가

14d

14e

14b

15b

14c

15c

14d 14e

가

500)

(1500)

가

(1

15

가

(1502)

가

가

가

가

가

X Y

2

가

가

가

/

가

,

,

가

가

,

(1504)

가

가

가 2 가 , 1 가

15 / (1506) 가, (1506) 가  
/ (1506) (1506) 가  
/ (1506) (1506) 가

18 , , (1806) 가 /PDA(1800)  
 , , (1806) 가 (1804)  
 . , (1804) (1806) 가 (1802)



)

가 ,

가

14

가

가

가 (1422)

가  
가  
(2402)

4

가  
(  
" + "가  
27a , 8  
(2404)가  
, (2412)  
, " X" 가가  
가가  
(2412)  
" X"가  
가  
,가  
가, 28  
(speech)/

가

가

3

가

, " ABC"

28

2  
가  
" " ,

가

가

2

가

2

14 , (1403) 가 , , (speech)  
3 " A" , " B" " C"  
3 , .

가 ( , , , , )

가 가 ,

가

가 ( , 가 ) .

가 , PC 가

가 . " ctrl"  
" pr" " ctrl"

pr"

가

가

가

· PDA, · · · · · TV

가

가

가

가

LCD  
/  
가 (800) (1400)  
LCD  
/  
LCD, PDA LCD  
가 (1400)

16 LCD (1602),  
1604), (1612) LCD (1600) . LCD  
(1600) 가 ,

LCD (1600) (1616)  
, LCD  
(1616) (1600) LCD (1602)  
가 16 , LCD (1600) (1606)  
08) , LCD (1600) (1610) (16

1614), 가 (1612), (1500)( 15), LCD, LCD (1600) (1600) 가 (1612)

LCD

, LCD (1600) PDA, (1612) PDA, 가 가 LCD  
, LCD (1600) ( ).  
PDA 가 .

가 , LCD 가 , 가 , LCD 가 , LC  
LCD . . .  
D (1600) LCD . .  
가 . .  
(features)

CD , 16a - 16e LCD L

16d . , LCD 가 LCD

16g LCD, ( ), ( ), .

17 LCD (1700) . LCD (1700) 1700  
LCD (1708) ( ) , LCD  
(1700) . .

LCD (1700) (1706, 1708) 1/4 . , 1702  
LCD (1700) . , 1704 LCD (1700)  
LCD (1700)

LCD (1700) 가 LCD (1700) 가

, . LCD (1700)

, LCD (1700)

(Kiosk)

LCD

LCD

가 LCD

가 LCD

LCD (1700)

11a  
LCD (1700)



가		25	3350	.	,	3352
가		" "	" "			,
가						.
,	3354	가	가			.
,						.
,	(1454)	" "		3356	" %"	
.	,				3364	가
0	,					330
.	,					.
,				3358	가	가
,						.
2	(1454)		14b	" 2" 가		
2	가	24				336

, 가 3370 가 , 3372 가,  
 " " " " , , ,  
 3376 , 3380 가 3300 ,  
 , , , 3378 가 " "  
 3380 3300

,  
가

(57)

1.

,

가

, , ,

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가

, 가

가

2.

1

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가

가

3.

1

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4.

3

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3

4

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5.

1

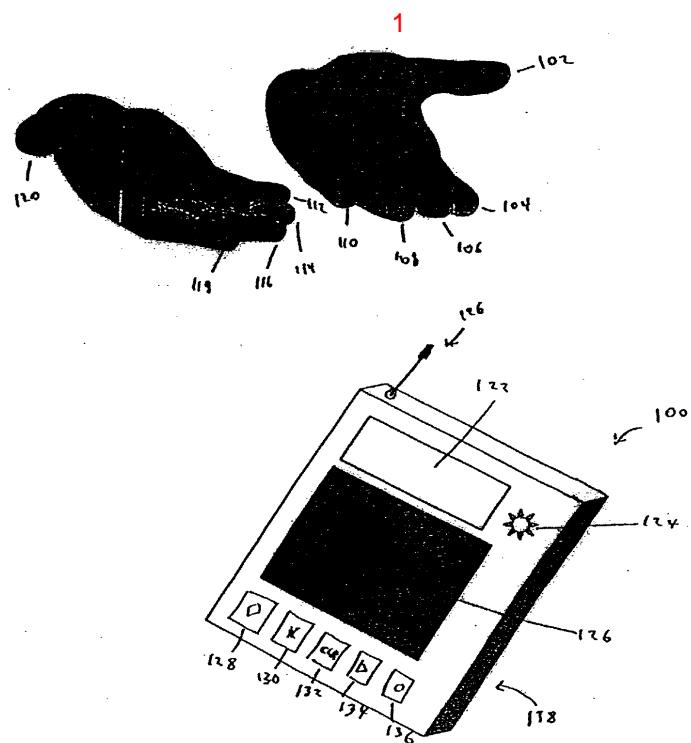
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6.

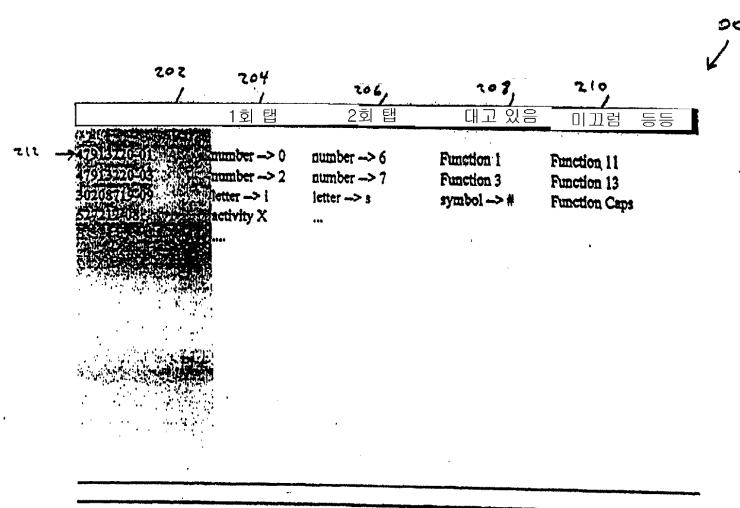
2 , 가

7.

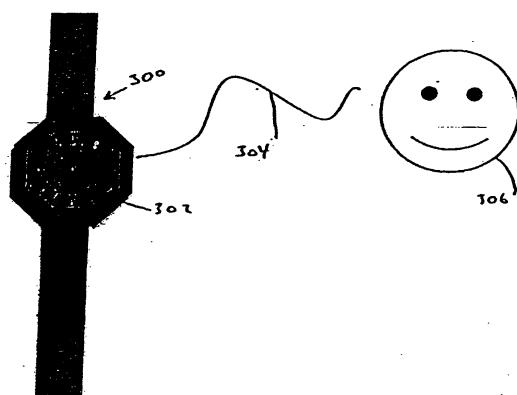
2 , 가



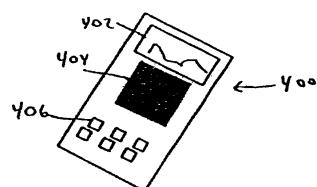
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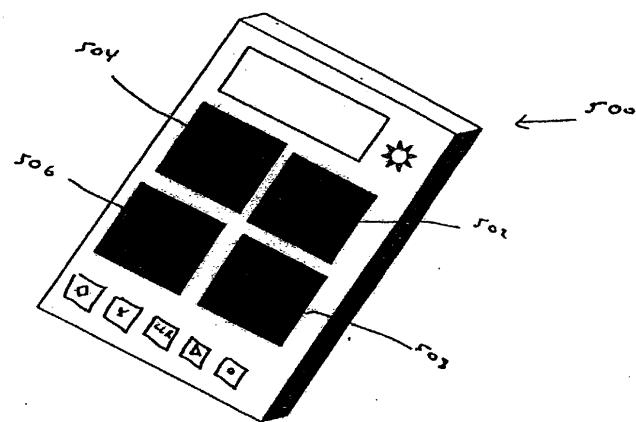
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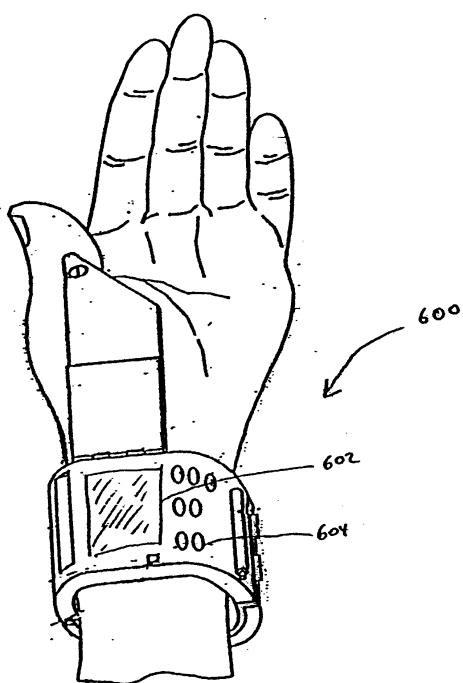
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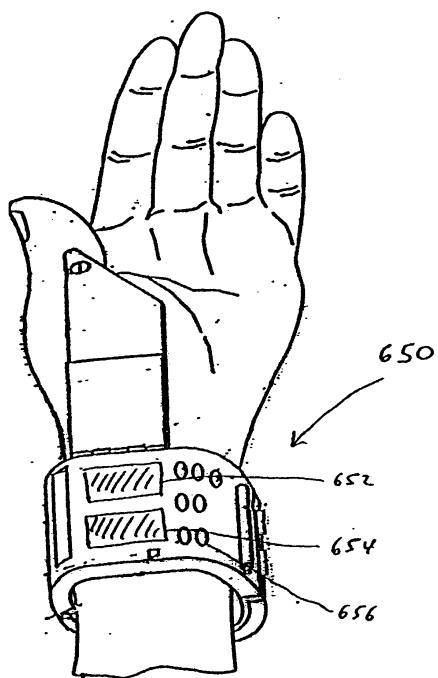
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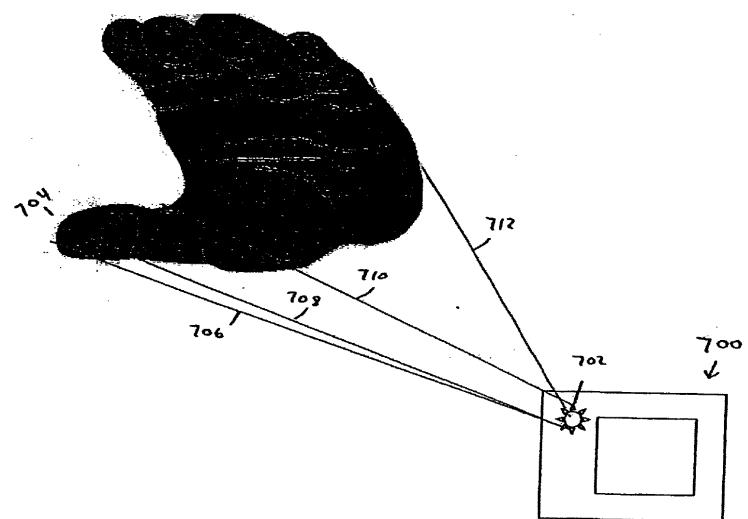
6a



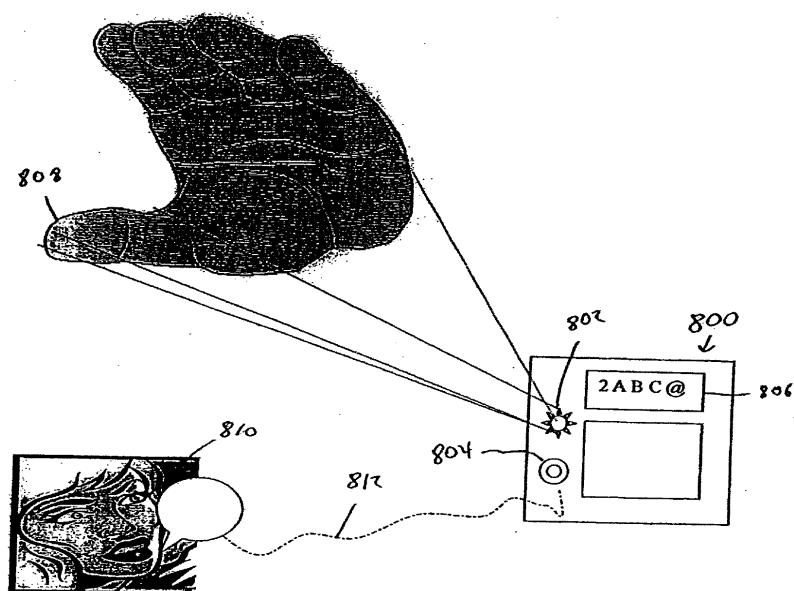
6b



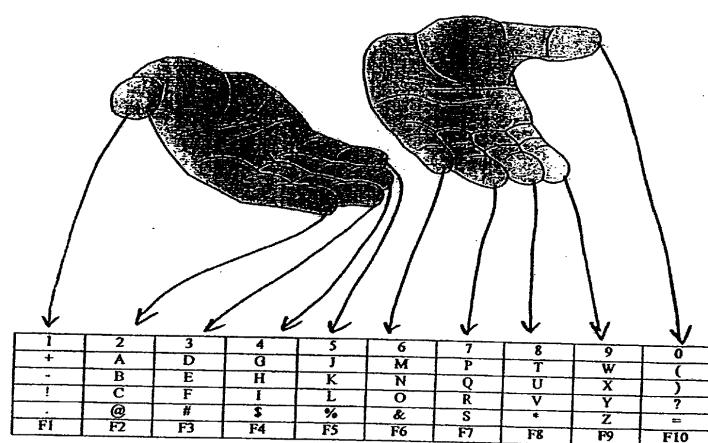
7



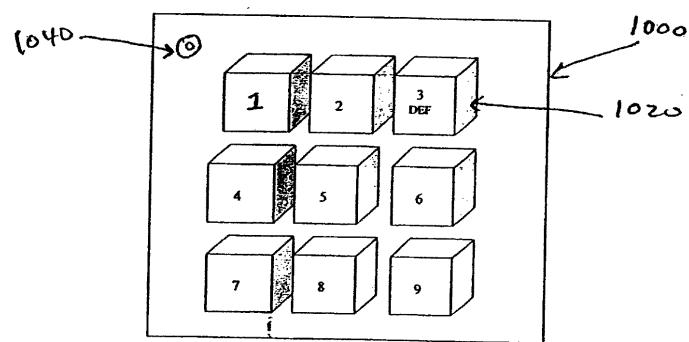
8



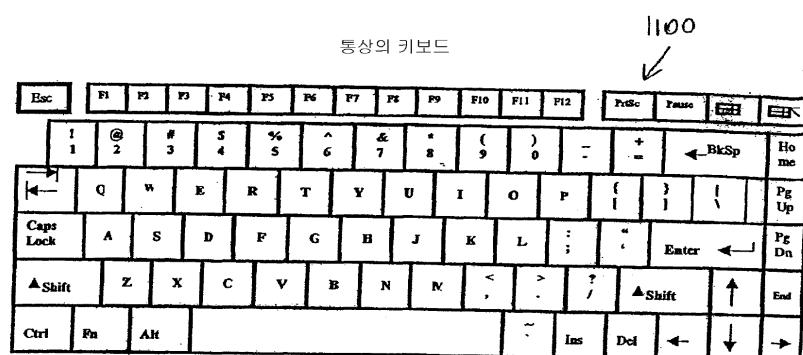
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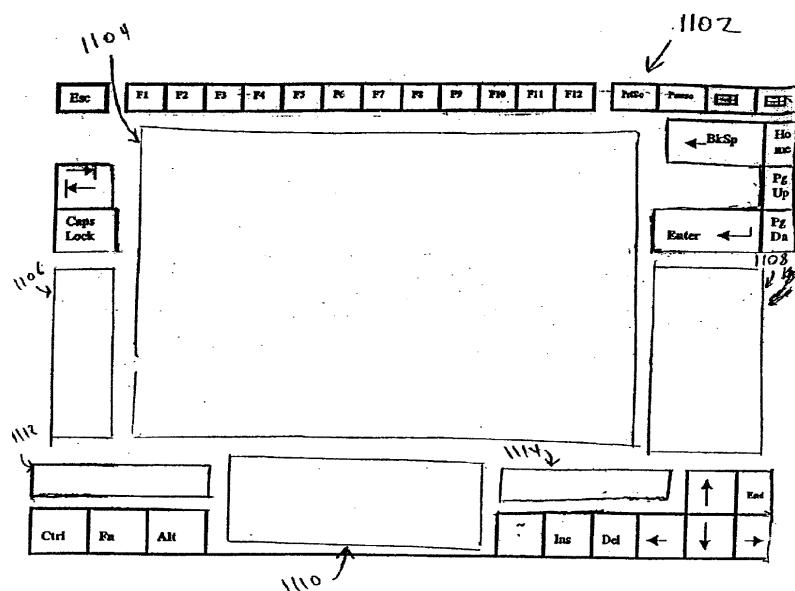
10



11

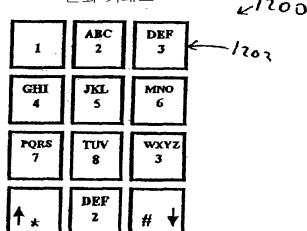


11a

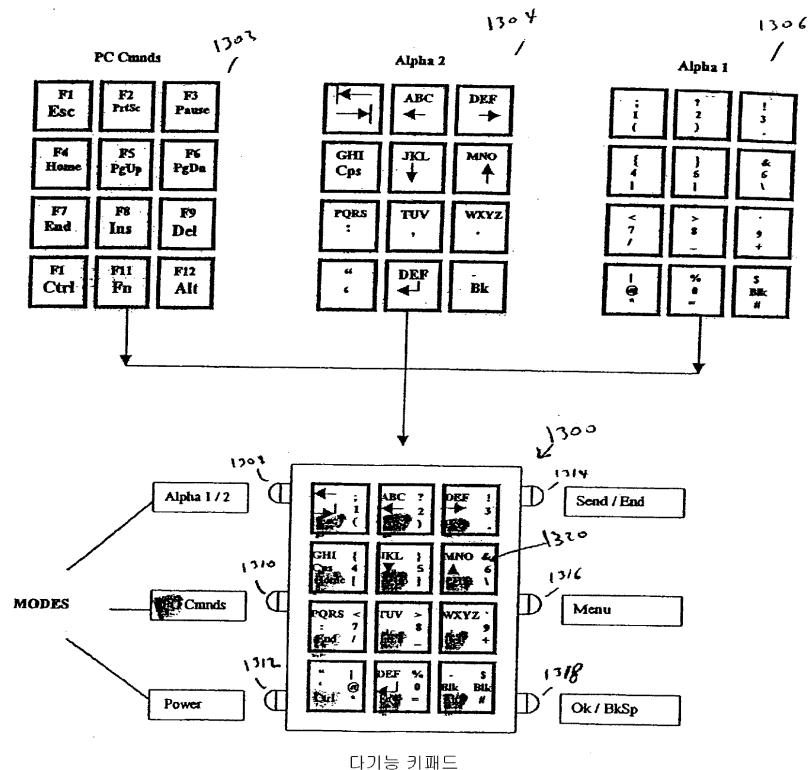


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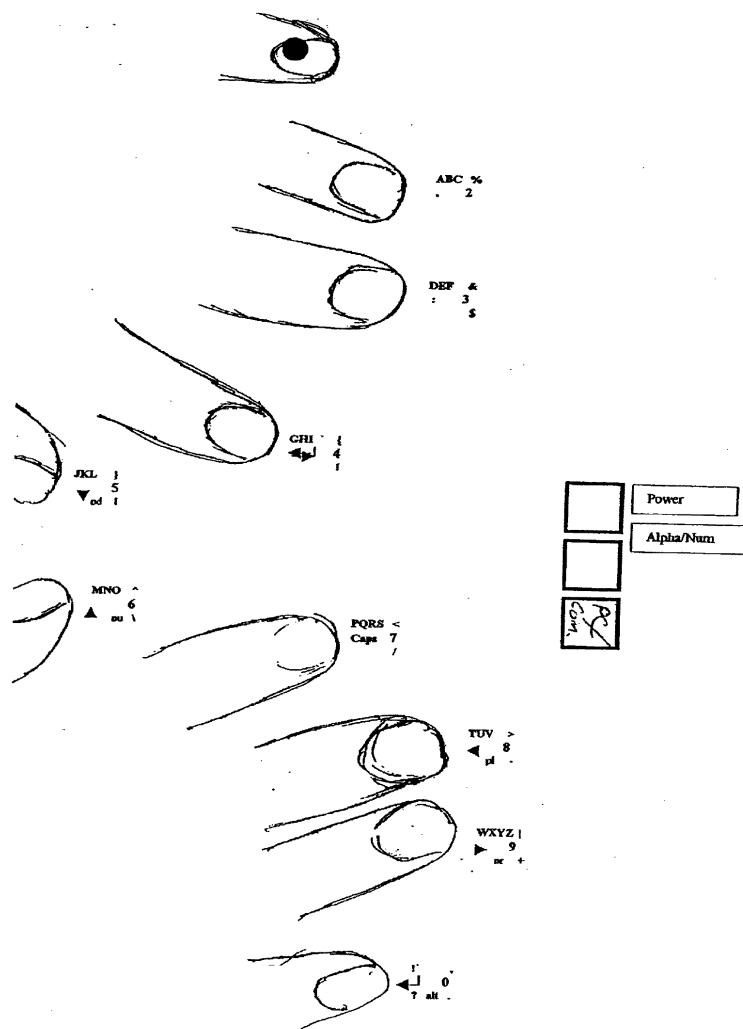
전화 키패드



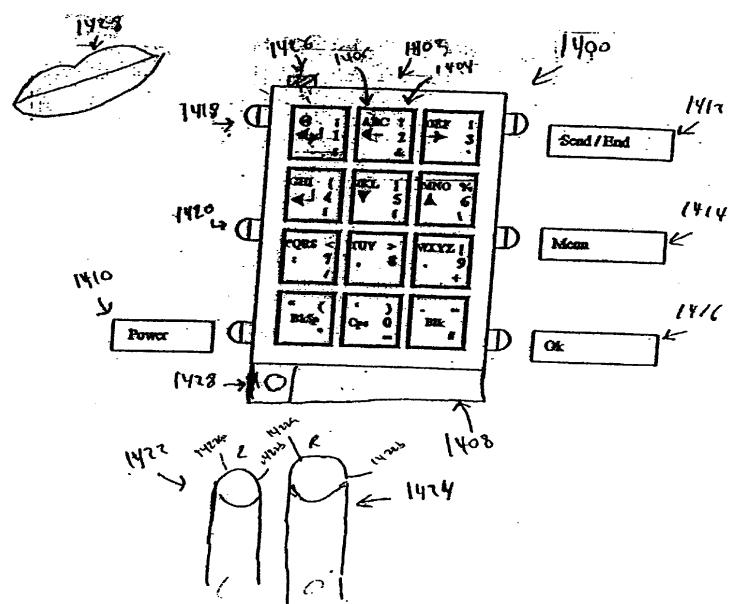
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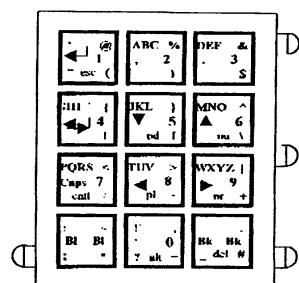
13a



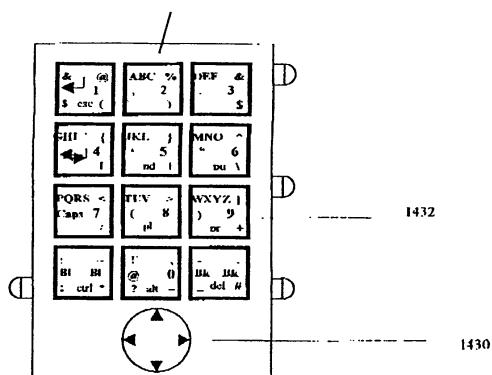
14



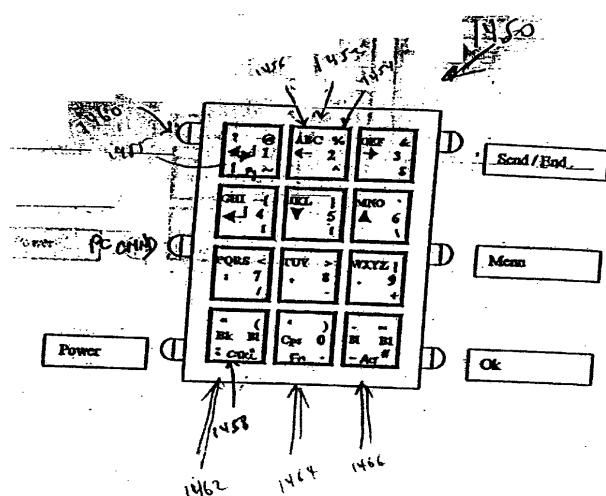
14a



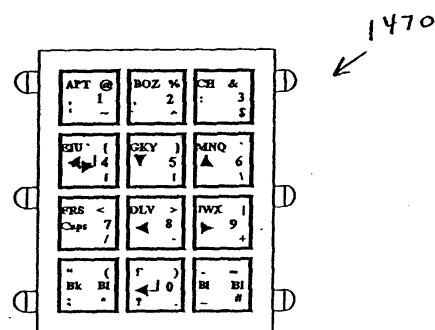
1434



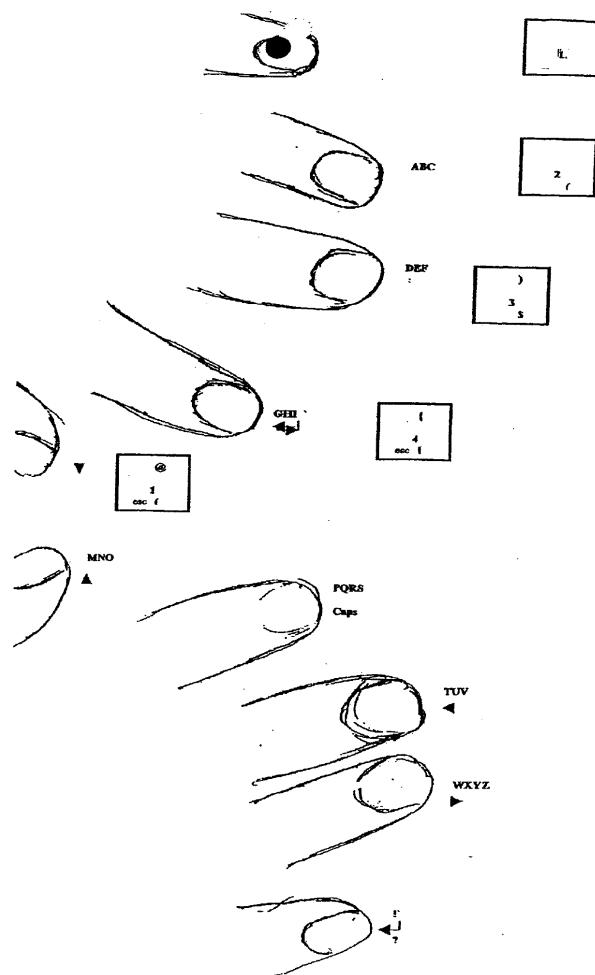
14b



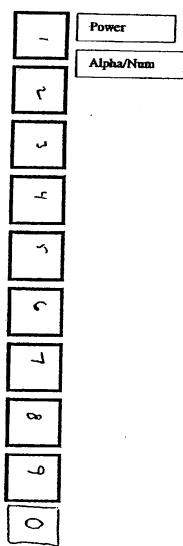
14c



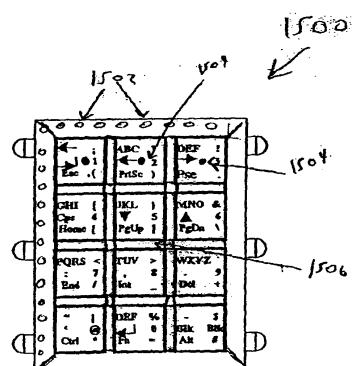
14d



14e

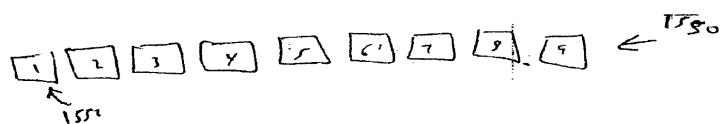


15



다기능 키패드

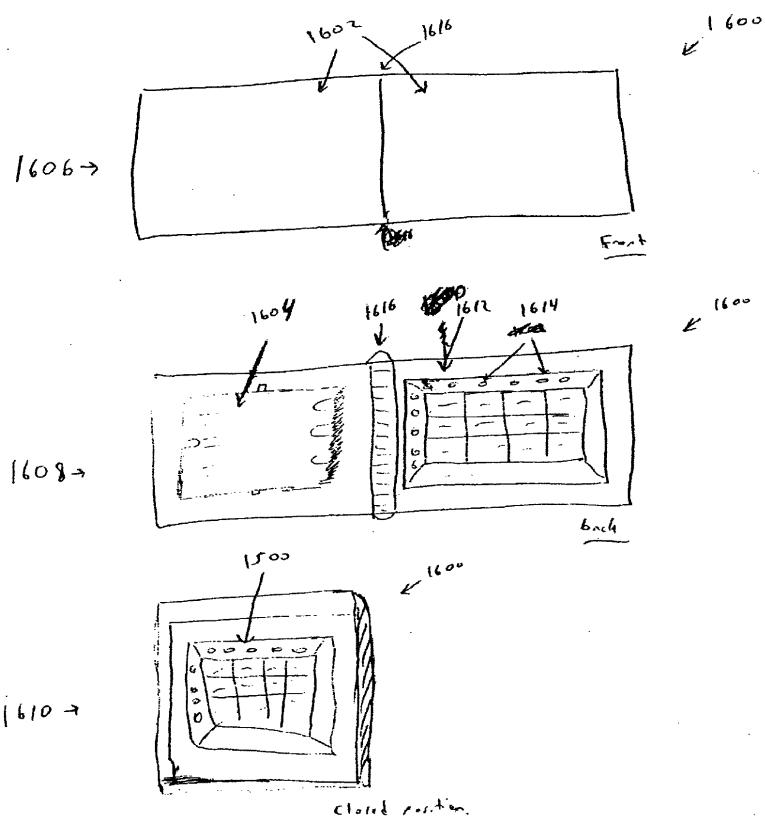
15b



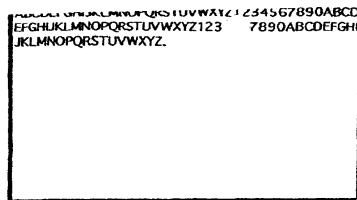
15c



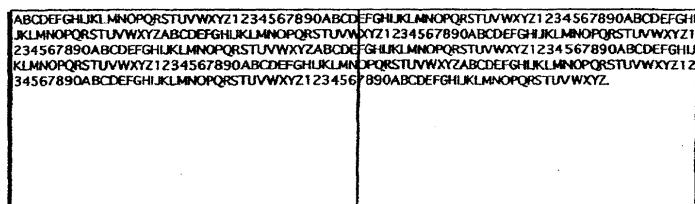
16



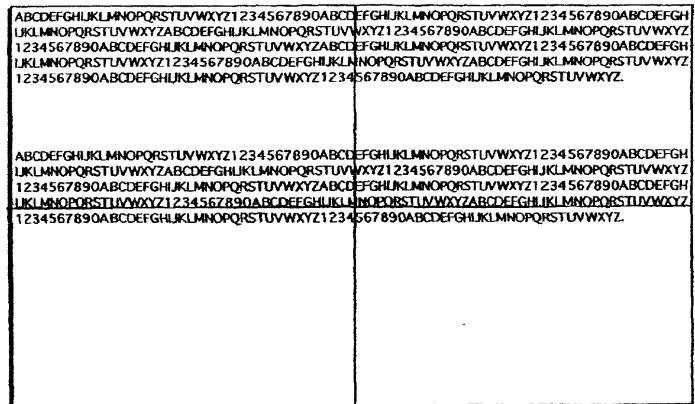
16a



16b

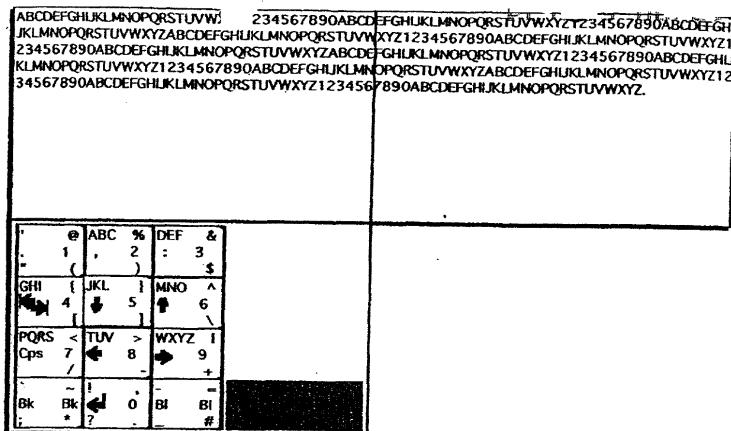


16c



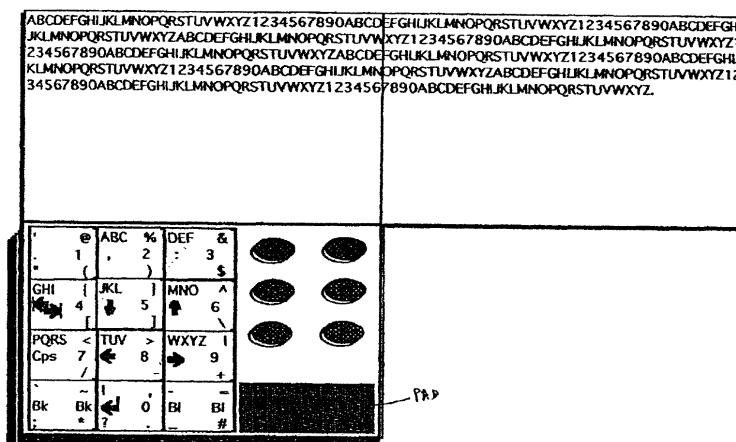
디스플레이

16d



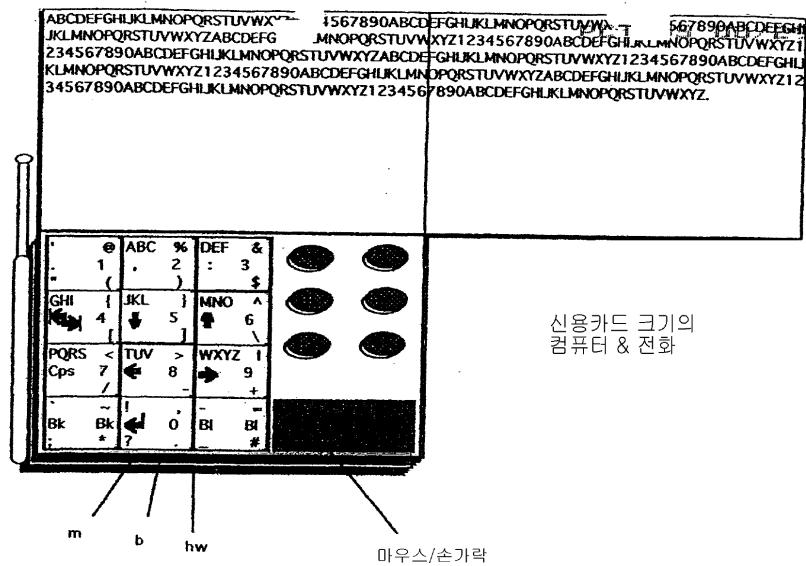
## 복수 구역 인터페이스

16e

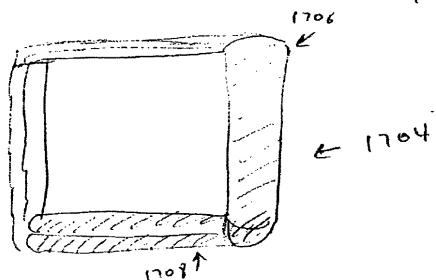
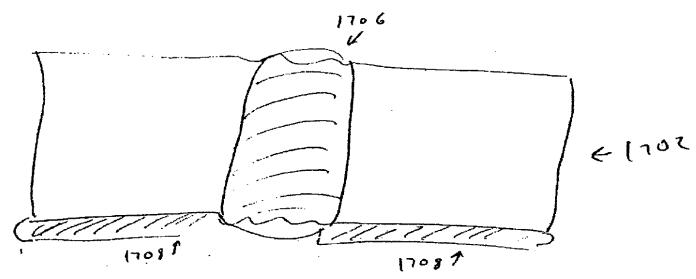
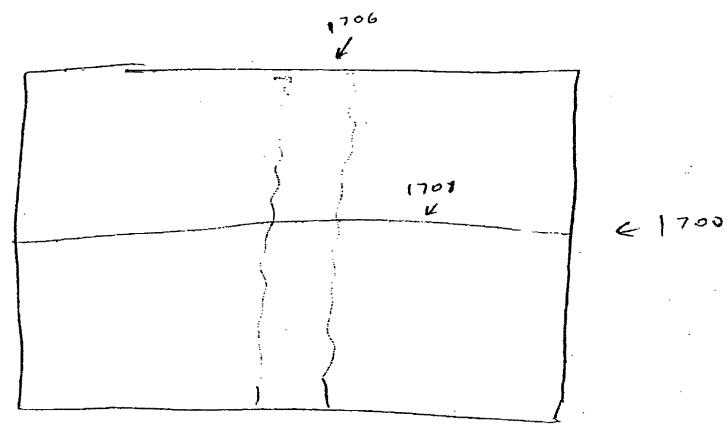


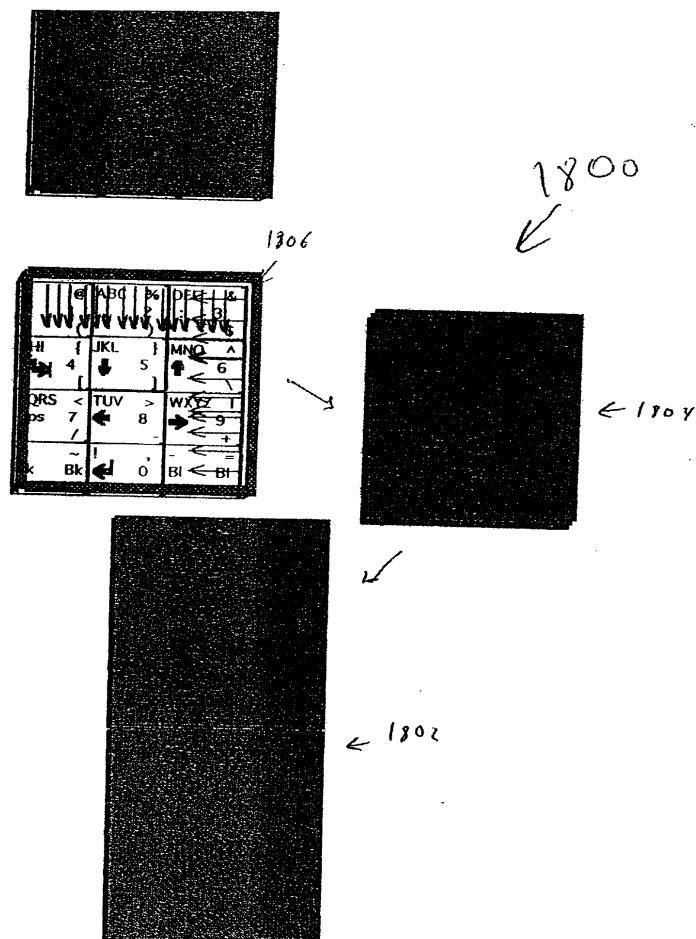
## 신용카드 크기의 컴퓨터

16g

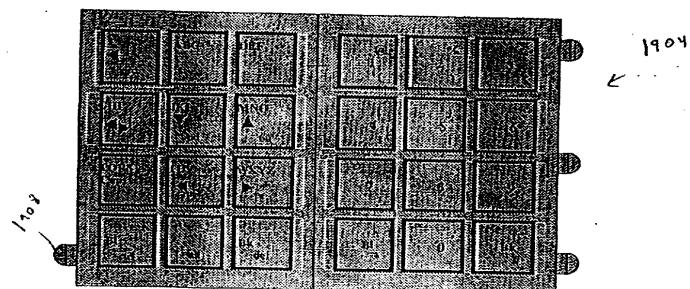
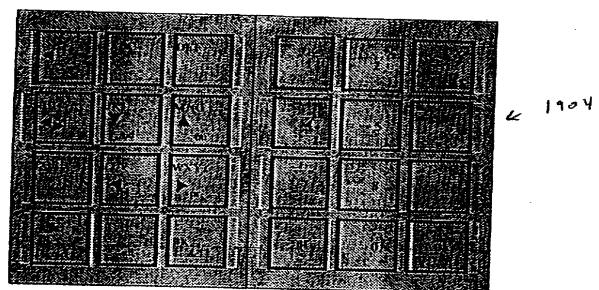
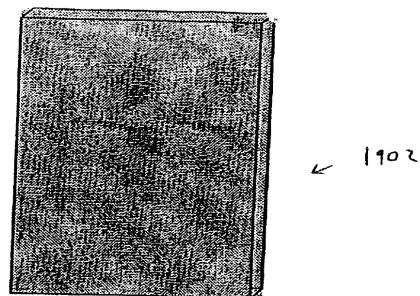


17

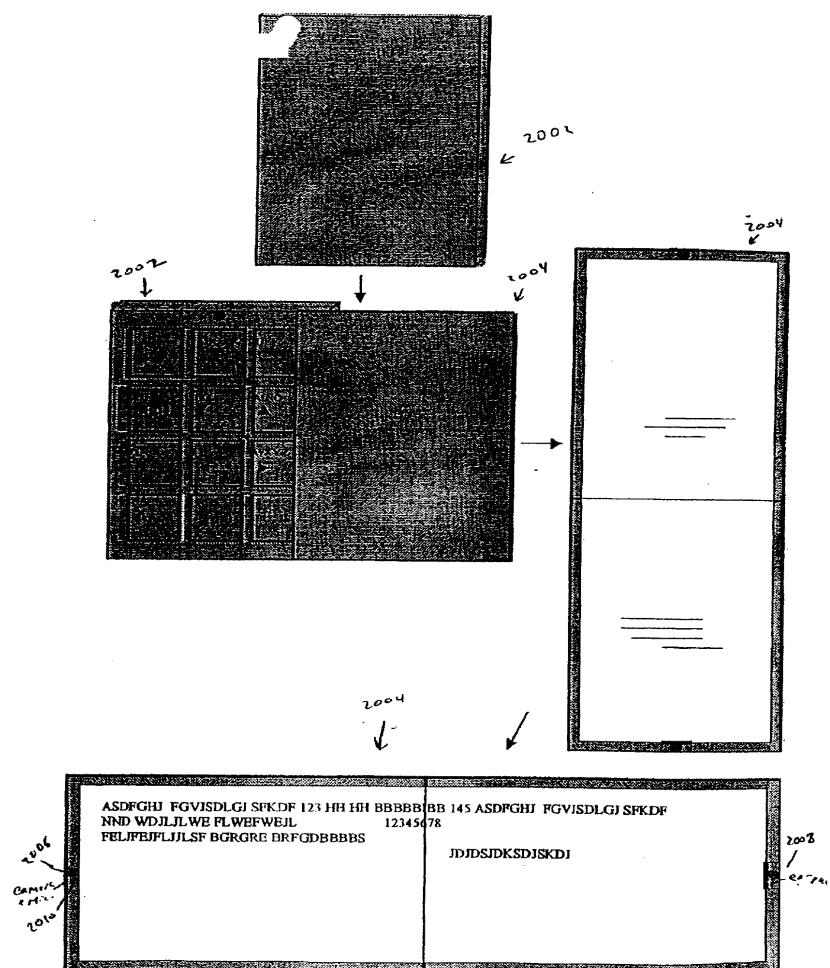




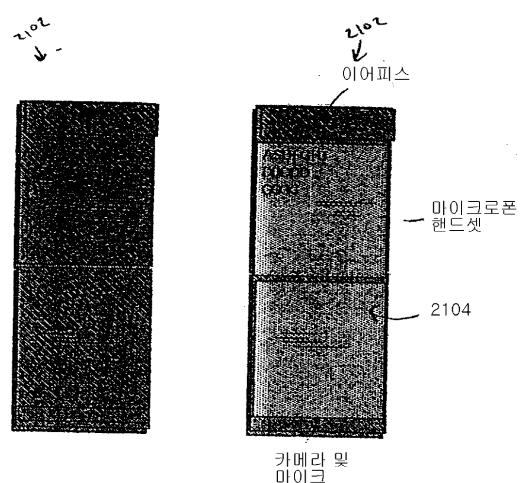
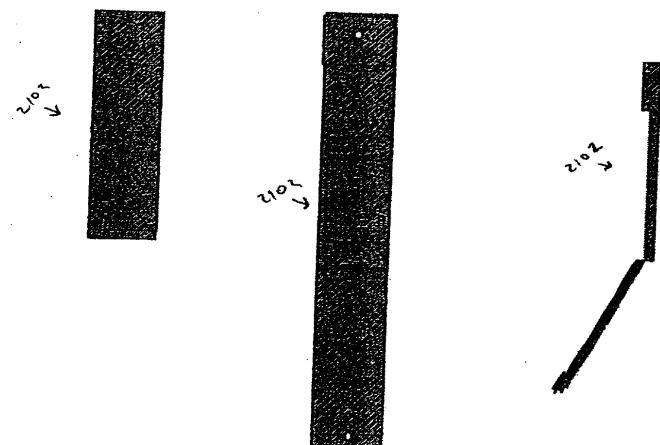
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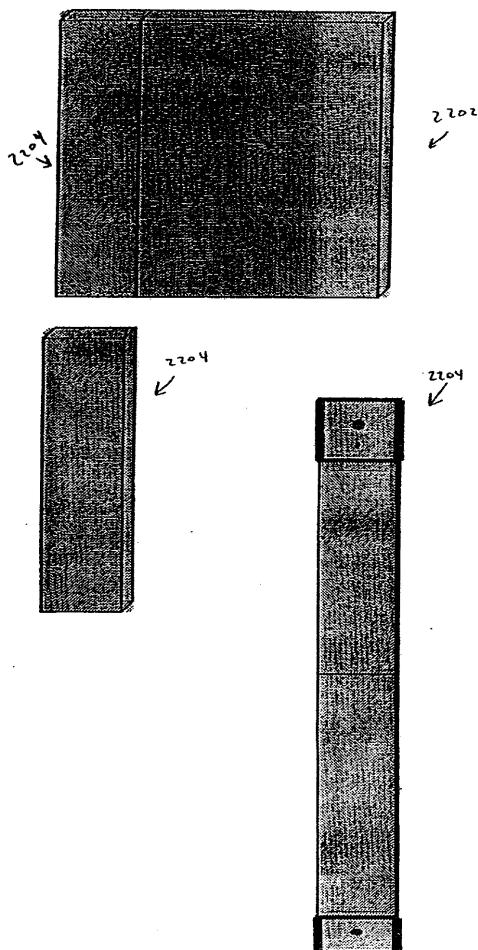
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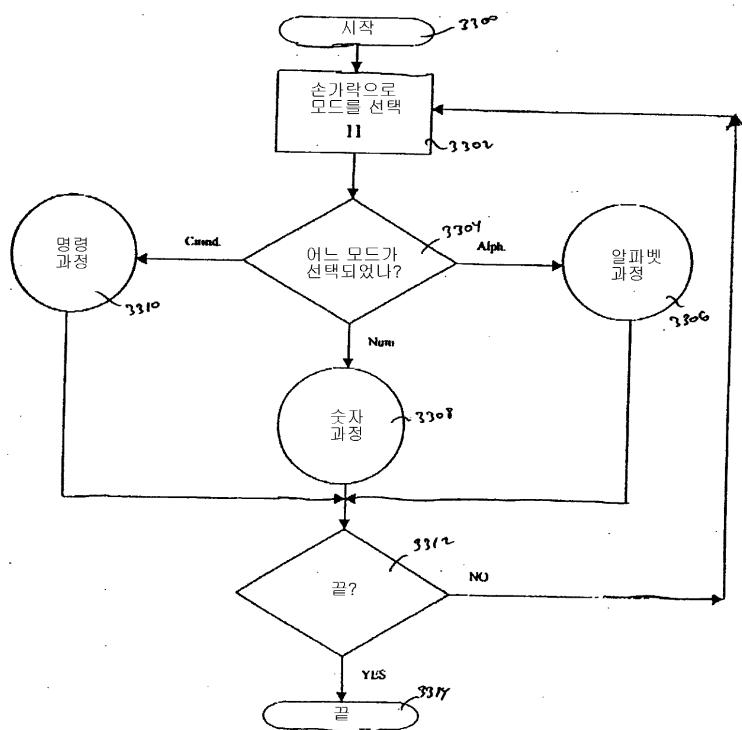


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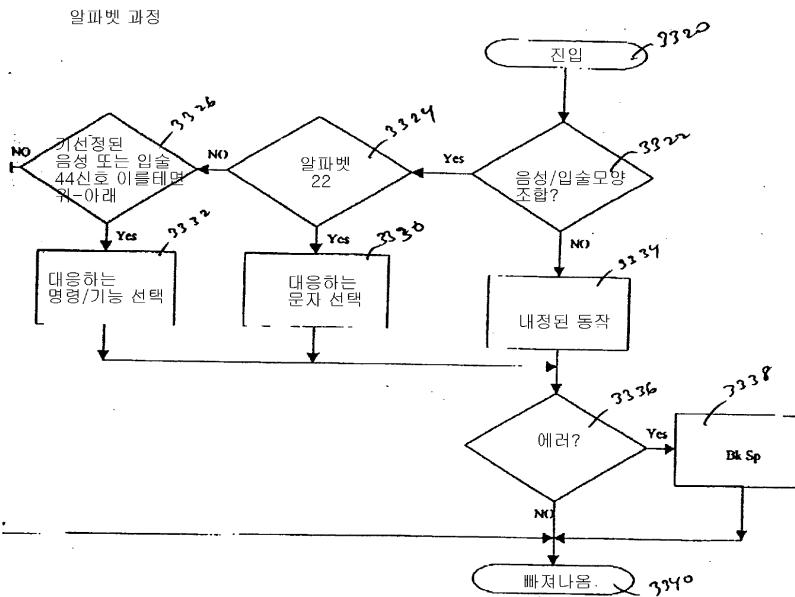


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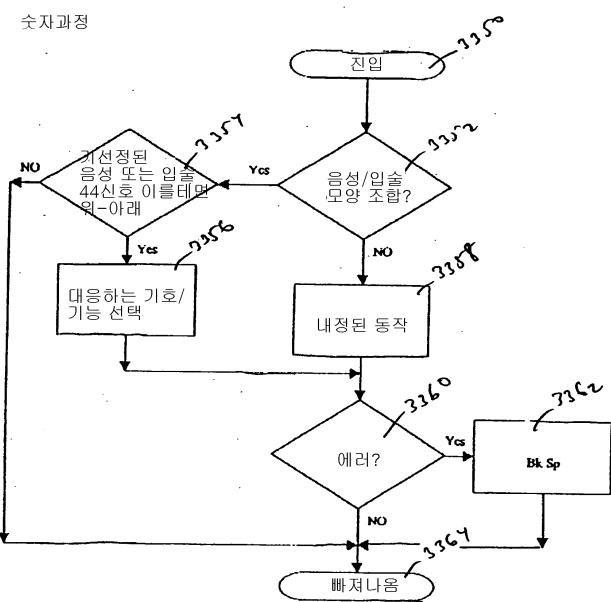




24

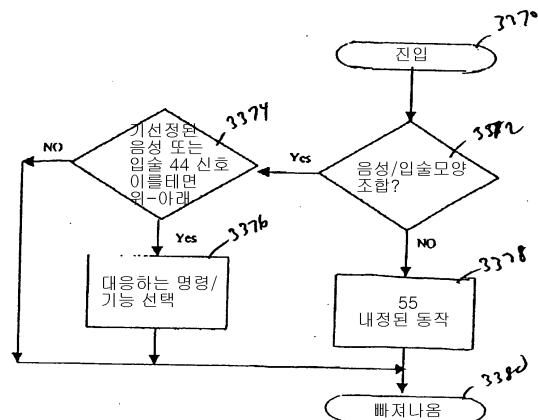


25

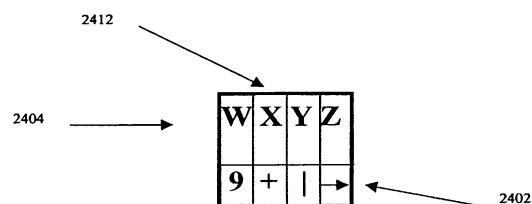


26

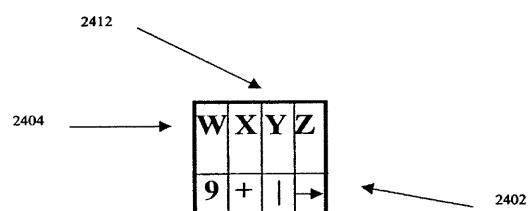
명령 과정



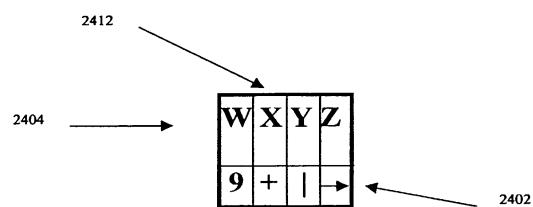
27a



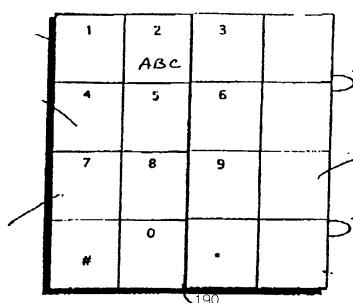
27b



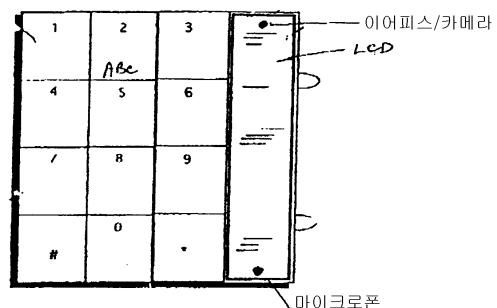
28



29a



29b



29c

