

(19)
(12)

(KR)
(A)

(51) 。 Int. Cl. ⁷
G06F 11/14

(11)
(43)

2003-0038542
2003 05 16

(21)	10-2002-7015613
(22)	2002 11 19
	2002 11 19
(86)	PCT/US2001/16629
(86)	2001 05 21

(87)	WO 2002/21274
(87)	2002 03 14

[illegible]

AP ARIPO : , , , , , , , 가 ,

EA : , , , , ,

EP : , , , , , , , , ,
 , , , , , , , , ,
 ,

OA OAPI : , , , , , 가 ,
 , , , , , , , ,

(30)	60/205,531	2000	05	19	(US)
	60/220,282	2000	07	24	(US)
	60/291,767	2001	05	17	(US)

(71) $\frac{1}{21} \times \frac{1}{2460}$

$$(72) \quad \begin{array}{ccccc} & & , & & \\ & & 94'116 & & 21 \quad 2460 \end{array}$$

94610 #504 750

94116 #6

(74)

:

(54)	가	가
------	---	---

가 : , , (13, 19) , (14) (12) , (13,19) ,

10

, , 가

2000 5 19 , Kenneth Largman Anthony More , ZAP 2000-1
Self-Repairing Computer
'Scalable Diagnostic, Repair and Multi-Use System for computing Hardware amp; Devices'
가 60/205,531 ;

2002 7 24 , Kenneth Largman Anthony More , ZAP 2000-1A
Self-Repairing Computer
'Scalable Diagnostic, Repair and Multi-Use System for computing Hardware amp; Devices'
가 60/220,282 .

가 60.205,531 60/220,282 .

- 가 , 가
- 가 , 가
- 가 가 가
가
가 , 가
가 , USB
가

가 , , -
가
가
가
가
()
가
가 , 가 가

가 가

- 1
- 2
- 3A
- 4
- 5
- 6A,6B 6A
- 7A,7B 7A
- 7B
- 8 8
- 9A, 9B
- 10
- 11
- 12 /
- 13 IBM Travelstar 20GN, 30GT 32GH
- 14 , , , , , ROM, /

가

가

가 (on) (off)

가

1 (17,18), 1 (1) (12) (15) (1) CPU(10), (11),

C) (1) (13,19), 2 (14), (1A), (1B), (1

(15) (11) (17,18) , CPU(10)

(17,18) (12,14)

(13,19), (1A), (1B), (1C) (1D) (1Z)

(1A) (13,19), (1C) (1D)

(1B) (1A)((1A)) (1B) (1)

(1Z) ((,))

(1Z) (1) 가

10

(13) (12) (12) (,)

(19) (14) (19) (14) (,)

)

(11) RAM (12,14)

(1C) (1) , LED LCD

2 (1Z) 2 (U2,U3)가

(13,19) (U1)(Parallax, Inc., Rocklin, California) (1A)

(V3) (1B) LCD (J1) (1C)

(S1,S2) (1D) (U4) (1)가

가

(12) 1 가 (1) CPU(10)

(12)

(12) 가 , 가

가

(1Z) (12) () (13) (14) (1)

(1Z) () (19) (1D)

(1)

가

(1A) 3 , CPU(10) (14)

(1D) (12)

(1) (3A 3B (310) (320))

(12)

가 가

(jumper) /

4 (1Z) (1Z) (1Z) (12) (14)가

(13) (4A3) (19)

(1Z) (4A5) 가 (4A1)

(1Z)가 (485) (1Z)

가

(489) (14) (1Z) (14)가 (1) 가 (14) (12) 가

(12) 가 (12) () (12)

(1) 가

(1) (autoexec.bat)

(1) (12) (12)

가 (14) (12)

(12) (14)가 , 가

(12)

. ROM

(1)

(14)가 , (.exe, .dll, .o, etc.) (,

Corel WordPerfect .wpd)

(14) (

BIOS

(

(backup) , (12)

(,) (,)

(; , (OS) ; OS 가 ; OS, 가

(,) (,)

가 , , ,)

가 () 가 , .pst

Microsoft Microsoft Outlook Internet Explorer (favorite

s)

(attack) 가 ,

(12) () (1)가

(14) , (14) (1)

(14)가 , (1)

.)

(10) : (12) 가 Windows ™ (Microsoft Cor.,
Redmond, WA) 가 (12) NaturallySpeaking (,
Lernout amp; Hausple, leper, Belgium and Burlington, MA) 가 .

(12) , (14)

(1) ,
가 ,
가 ,
가 가 (1)
가 ,
가 가

(1)가 , (300) (13) 3
, (310) (300)
, (1) (320)

(14) (14) (12) ,
(14) . (.)

(14) , (1) (12)
(1) (12)

(1) 가 ,
(1) ' , ' , ' ,
(12) (12) (14) (12) (12)

4 가 ,

(1)가 , (12)
(, Windows 2000(Microsoft) Linux).

가 , (,)

가 , ()
(12) (14) 912)
(1)가 , (14)
(12)

(14)가 가 (12)가 , (1)

2)

- -

6A (61), (67, 68), 1 (6) 2 (6) CPU(60),
(62, 64), (69), (6

A) (65, 66) (6) (6Z) .

(65) 가 (61), (67, 68) (69) CPU
 (60) (69) (6A) (67, 68) 가 (62, 64) .

(66) (67) (62) (6Z) (66) (6Z) 가
 (62) , 가 (661) ,

, (67) (68) (64) (6Z)
 가 (6Z) (66) (671) (64) (64)

(69) (6A) (6) ,

(6) 2 : (6) (69)
 - (62) .

, , (6) (6A) (69)
 . , 2 (64) .

, (6) (6A) (62,64)
 (64) 가 (6A) , (6

4) (62,64) , 가
 () CPU(60)

- (6Z) .

, 가 (6A)가 , CPU(60)
 (62,64) (6A)
 가 , 2 (64) (6)

((64) (64)) .

, (69) 2 (64) .

(6)

6A (6A) (62) (62) 가 ,
 (6Z) (661) (62)

6B (6A) (64) (64) 가 , (6Z)
 (6Z) (62)

(64) (6A) (64)
 (64) (62)

(6A) (64) 가 (62)
 , (62,64) (6A) (62)

- 가

(A LOCKABLE NETWORK COMPUTER)

7A (77), - (7) CPU(70), (71),
 (72), (79), (7A) (75,77)
 (7) (7Z)
 (75) (71), (77) (79) CPU(70)
 (77) (72) (79) (7A)

(77) (79) (7B)
 (79) (7B) (7A) (7B)
 (7A) (7B) POTS (7A); (7B) (7A); (7B) (7B)
 (7A)

(7Z) (77) (771) (7B) 가 (7Z)
 (77) (771) (79) (, 3가 -), (7B)
 (7) 2가 ; 7A
 , 7B (771) , (7Z) (771)
).

(7Z) (79) (7B)
 , (7) (7A)
 , (7) , (7A) (79) (7B)
 , (7) (7A)

(7) 가 (7A) 가 (V
 PN) (7) (7A) 가 (7)
 (7) 가 (7) (7)

(72,74) 가
 (7A) () 가

CPU(70) (7Z) (7Z) (CPU(70)
 , (7Z)).

(7) (7) (7B)
 가

8 (8) (8) CPU(80), (81),
 (87), - (82a,82b,....,82), (89), (8A)
 (85) (8) (8Z) (861 862)

(85) (81), (87), (89) CPU(80)
 (87) 98Z (82) (861) (8Z) (8Z)
 (82) (82) (862) (8Z)
 (82)
 (89) (6A) (89) (7A)
 (8)
 (8) N (8Z) (87) N 1 (82) 1
 (8Z) (87) 2 (82a) 2 (8Z) (8
 7) N (82) (82b) (8)
 (87) (82) (82) (82)
) (82) (82)
 , (9) (8A)가 (82) (8A)
 , (82) (82) (82) (가
) (82) (가
 , , 가 (82)

(A COMPUTER WITH PERIPHERALS THAT CAN BE CYCLE

D)

9A (9) (9) CPU(90), (9
 1), (97,98), - (92), (99), (9B) (95,97)
 (9) (9Z)
 (95) 991), (97,98) CPU(90) (97
) (92) (98) (9B)
 (97) (99) (98)) (9B)
 (9B) , USB , ,
 (9Z) (97) (971) (9B) 가 (9Z)
 (97) (972) (99) (9B)
 (9) (9B) (9B)
 (9Z) (9B) (9B)
 , (9) (9B) (9B)
 (9)
 , 가 (9B) (9B)
 (9Z)

(9B) 가 , 가
 (9B) (91)
 가 (1) ,
 (97)
 9B (9) (9Z)
 - (A MULTI-USER COMPUTER)
 5 (5) (5) CPU(50), (51),
 (57), (52a,52b,...,52) (55) (5)
 (5Z) (561 562) (56)
 (55) (51), (57) (59) , CPU(50)
 (57) (5Z) (5Z) (52) (52)
 (561) (5Z) (52)
 (562) (5Z) (5Z)
 (52)
 (5) N , N (52) 1 ,
 (5Z) 2 (5Z) 1 (52a)가 (57) 2 ,
 (52b)가 (57) , N (5Z) N
 (52 α)가 (57) (52)
 (57)
 , (5) 가 가 1 , (5')
 2 가 . (가 .)
 (52)
 (52) 가 , (52)
 ()
 () (52) (57)
 (5) , (5Z)
 (, 1 2 (5)
 ()
 (51) 가 ()
 52) 가
 , 가
 가 , 가 ,
 ,
 , ROM
 ,
 (1A)
 가

((APPENDIX))

USB,

가 가

가

, 가

/ , 가 :

- ID' /
- (1) OS, 가 ,
- (2) 3가 : a)' b)' c)' 'a'
- , 2 가' 가
- 'a' , OS 'b'
- 가 'c' 가 1 OS
- (1 2) (1 2 c ROM
- 가)
- ID ('c' (2 가 /
- / 가 /
- 1 OS, /
- 1 가'
- :

- , 2가 1 ' ID가 가 , ' ID' 2 .
- ' ' 2 'c' 1(, ' ' /) .
- ' 1 2 .
- 'b' 1 OS 2 .
- 'c' ' ' .
- , .
- ' ID' 1 ' ' , 2 ' ' .
- OS , 1 ' ' .
IDs / 가 / / ,
가
 ,
 ,
(expose), 가
 ,
 : 가 / / ,
 , 가 ,
 / / IT 가가 / 가
 , (가 2)가
 ,
 /
 /

This image is a completely blank white document with no visible content.

가

가 , , 가 , ,

가 / / 가

가 , '가

가 / / 가

/ /

' / '

(StorExecute)

가 가

(archive)

StorExecute (archive)

13

13

IDE

(41, 42)

(43)

가

가 .(ID)

(57)

1.

가

1

;

2

;

2

1

2.

1

1

1

3.

1 , 2 1 .

4. 1 , 1 1 .

, / (archive)

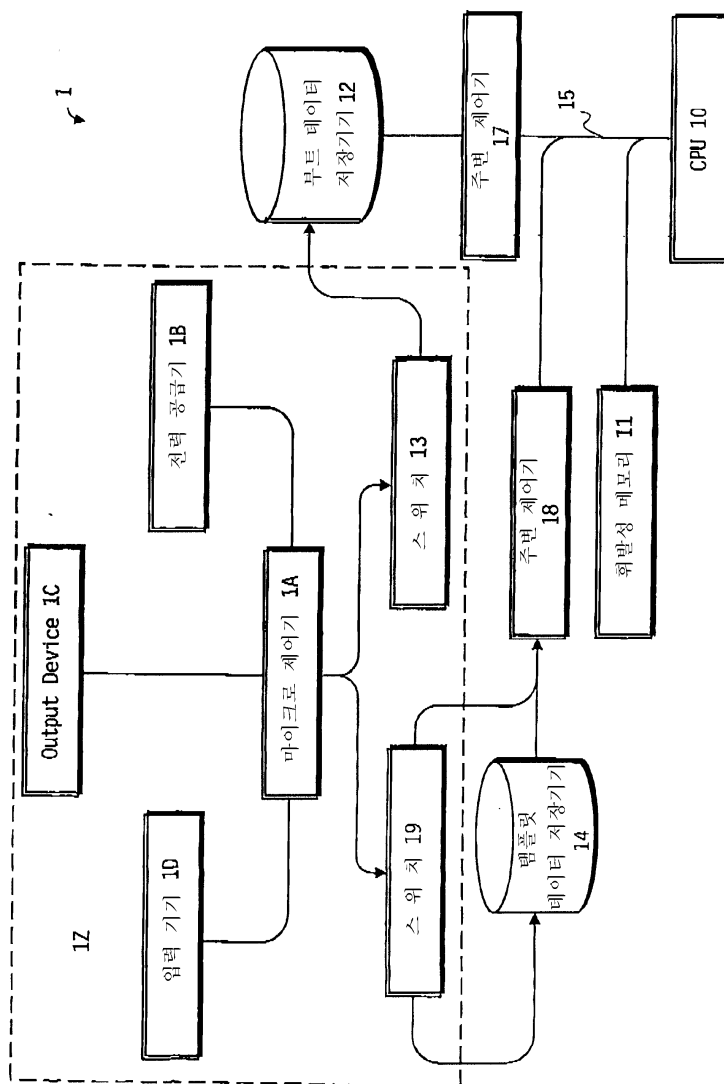
5. 가 ,

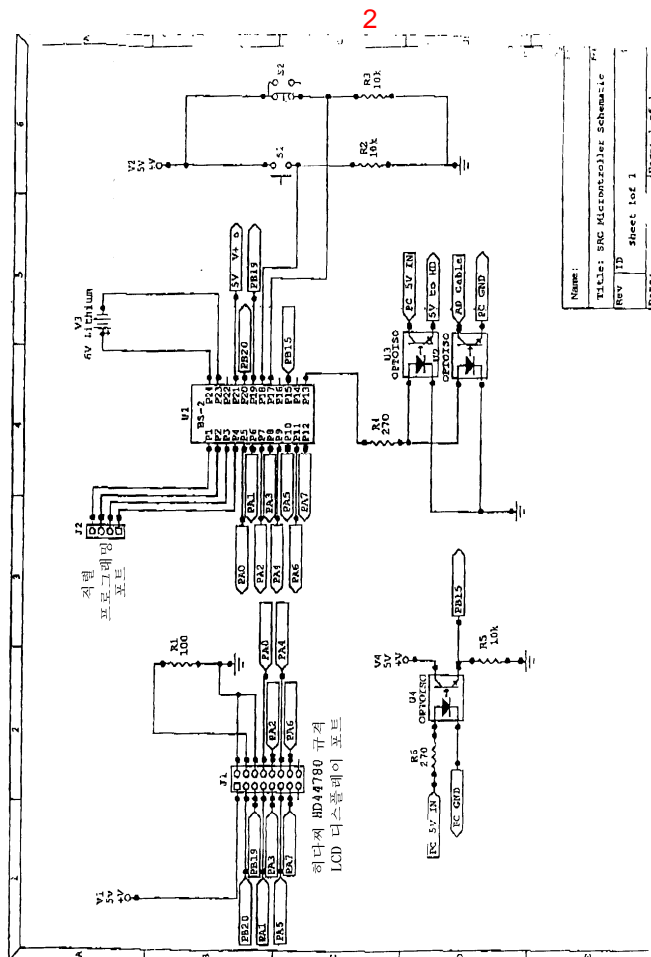
1 ;

, 2 ;

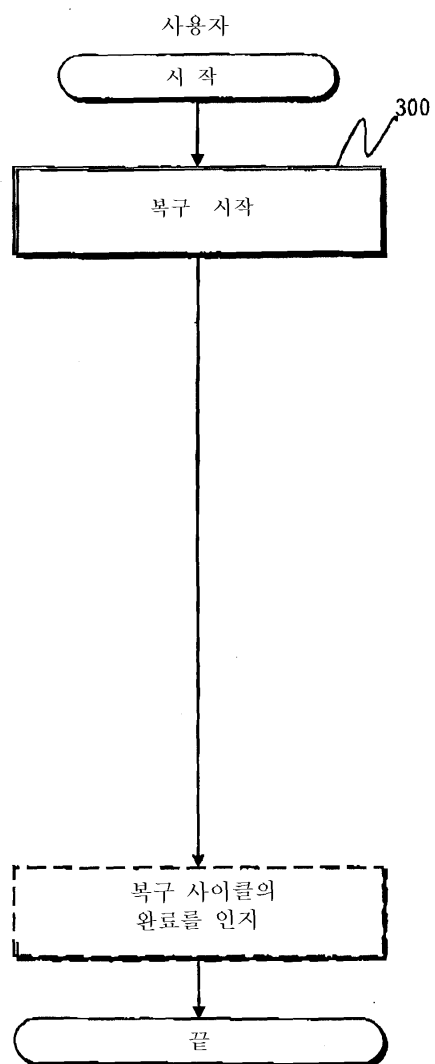
2 , 2 , /

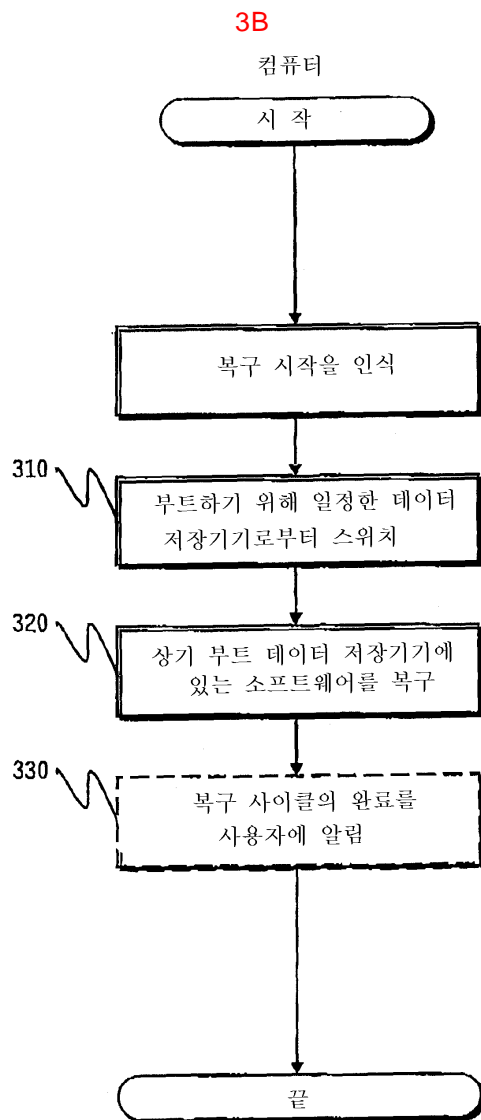
1 .



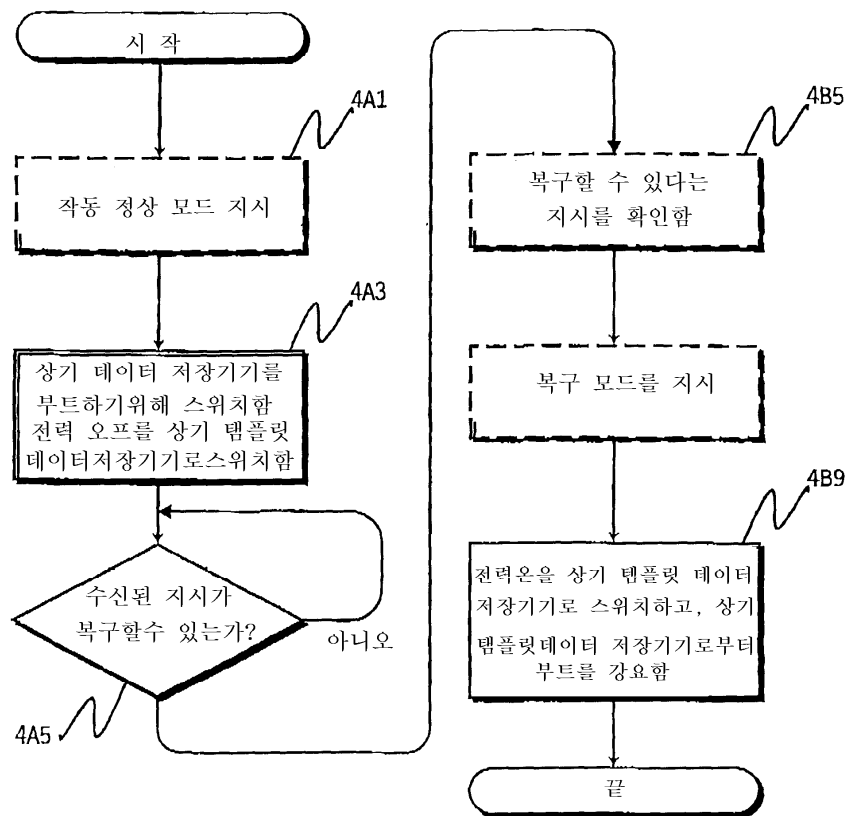


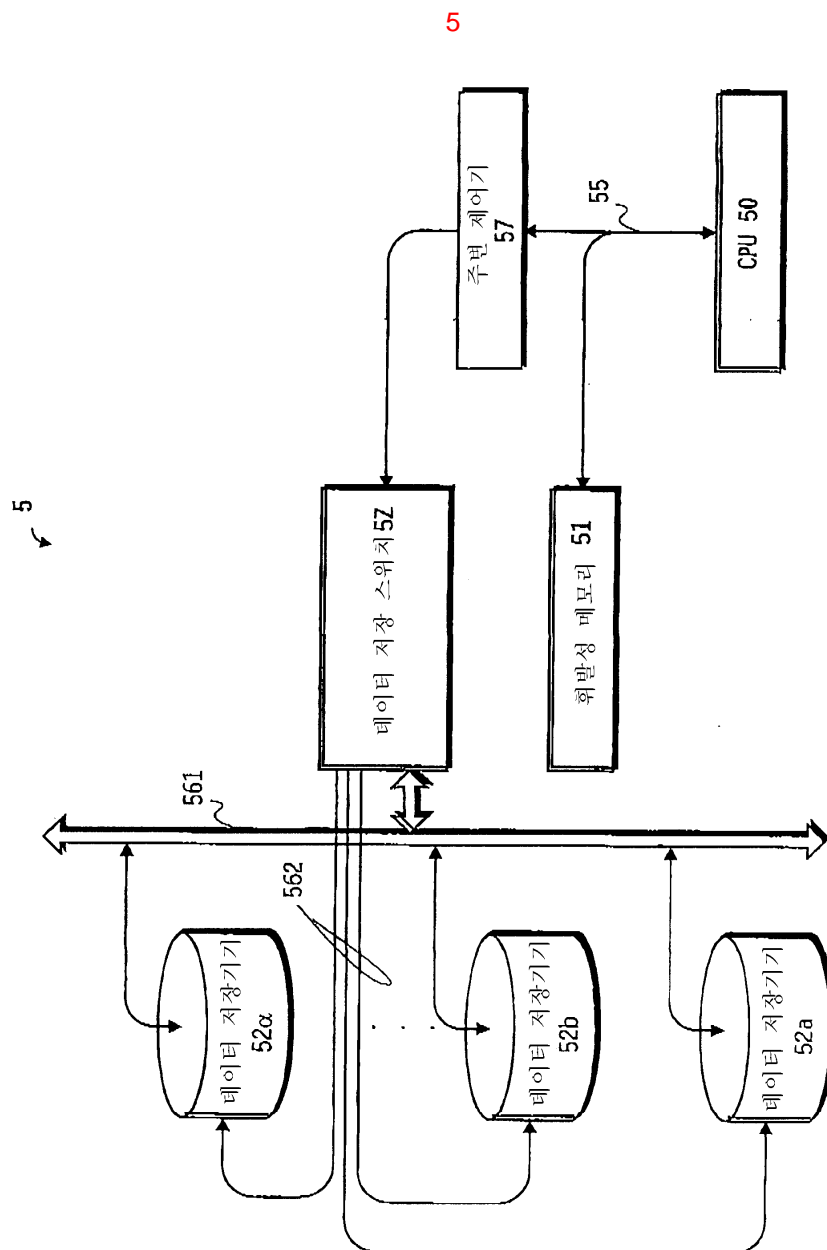
3A



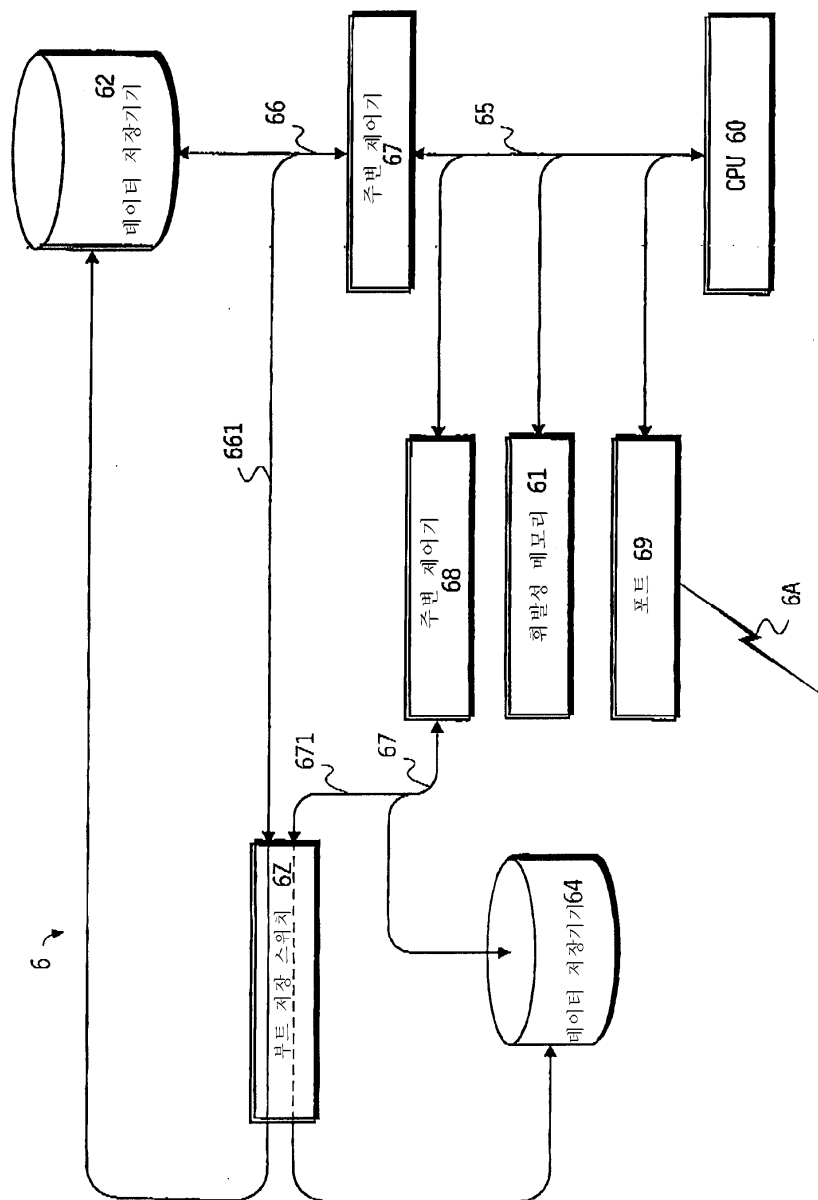


4

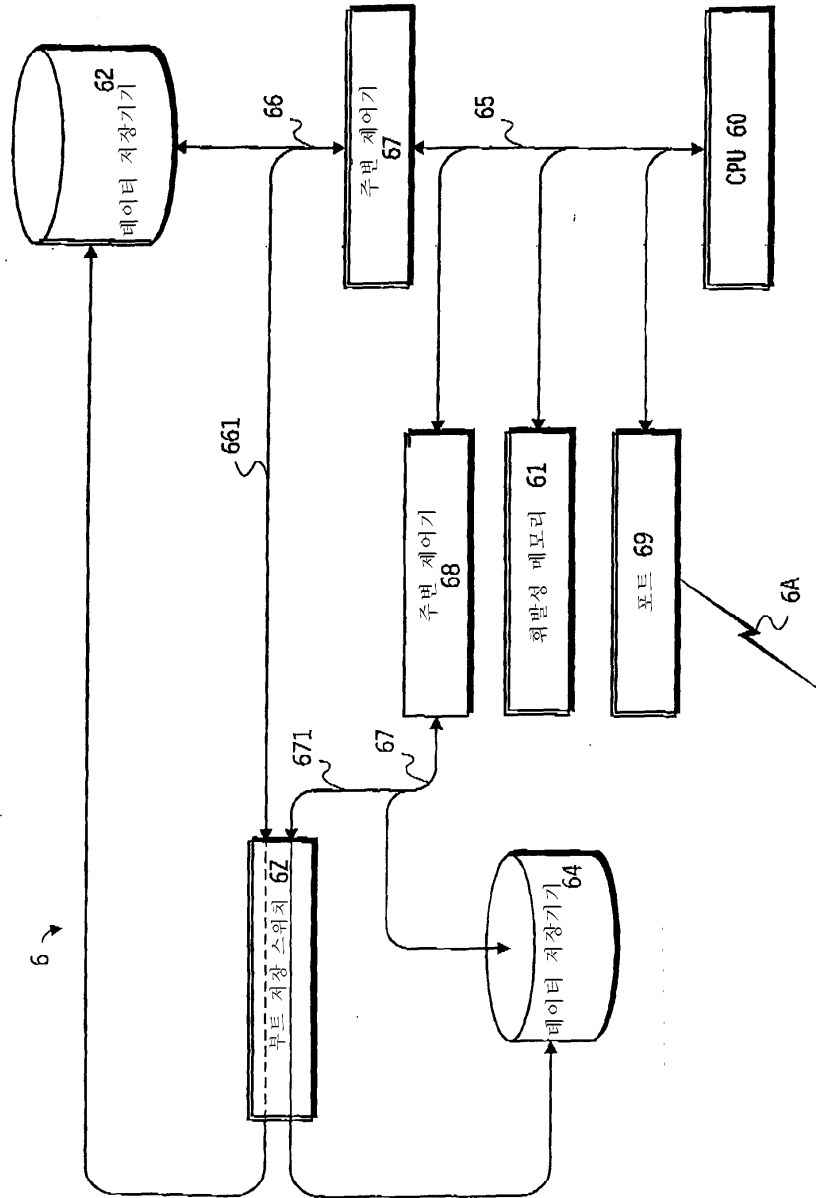


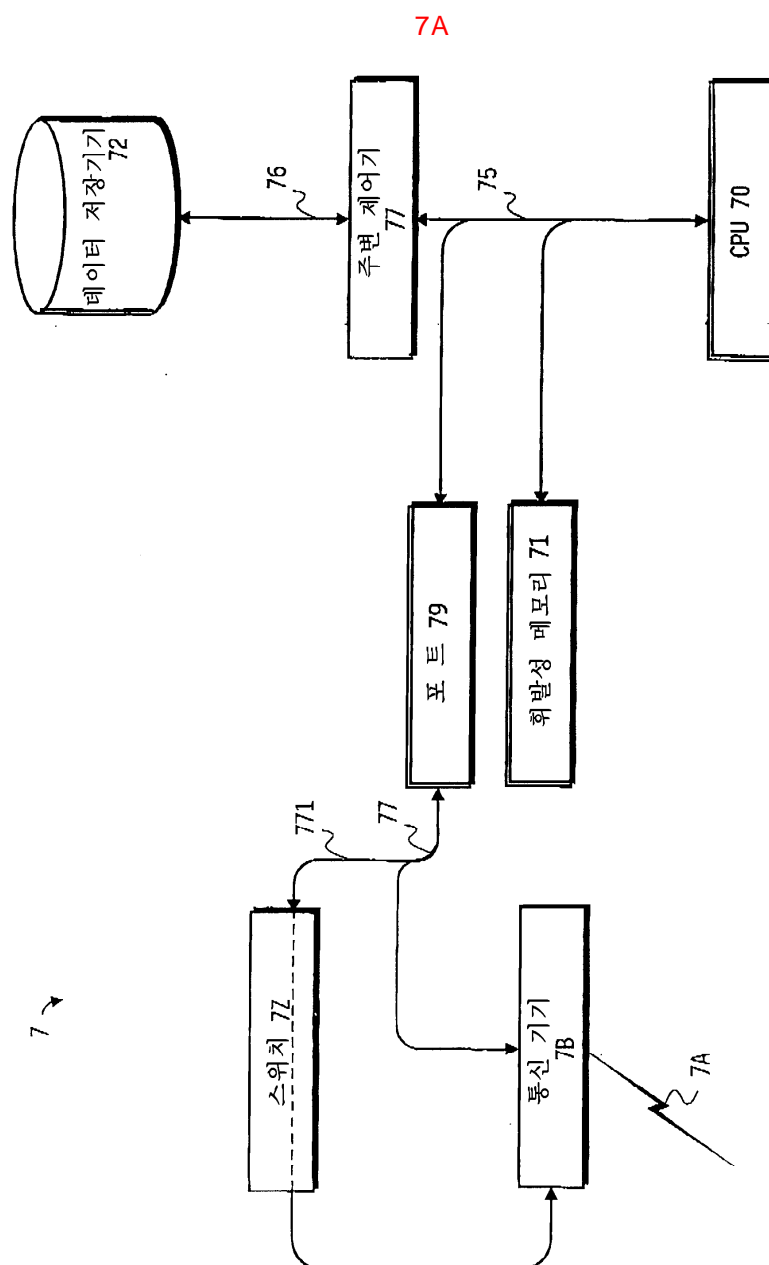


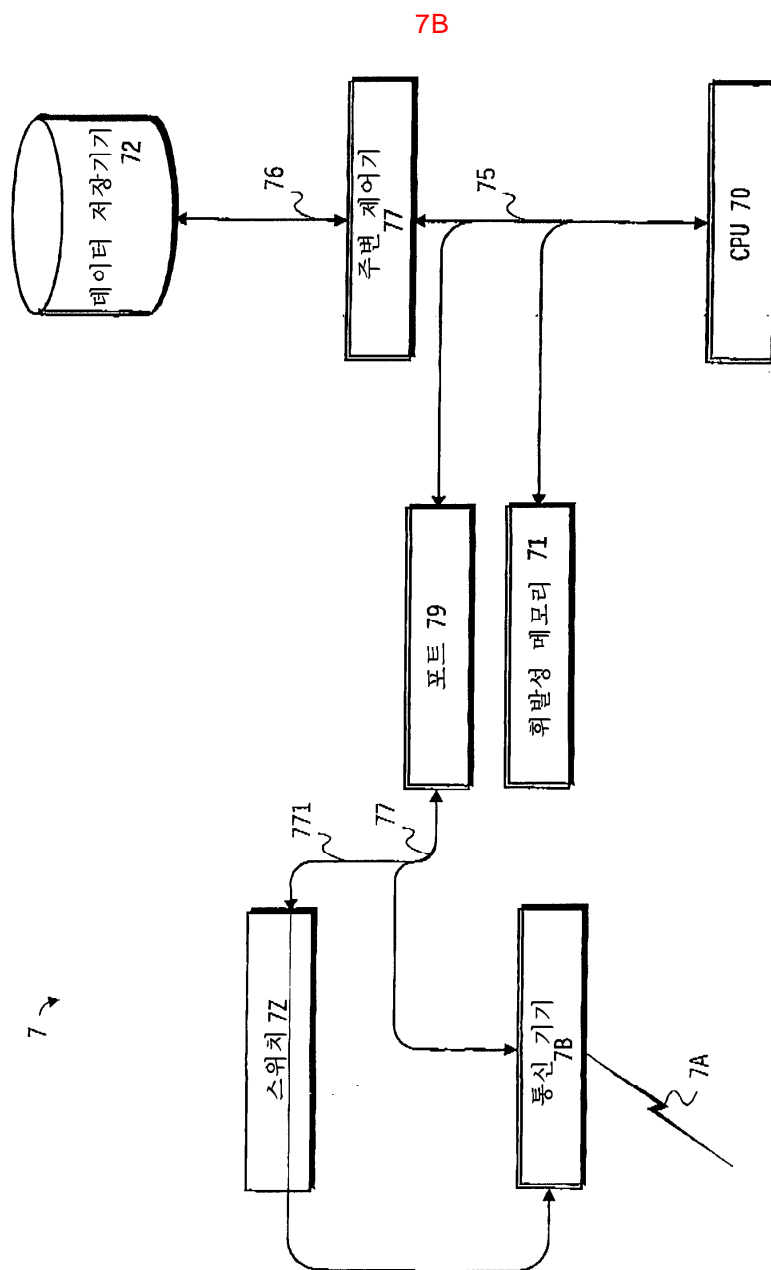
6A

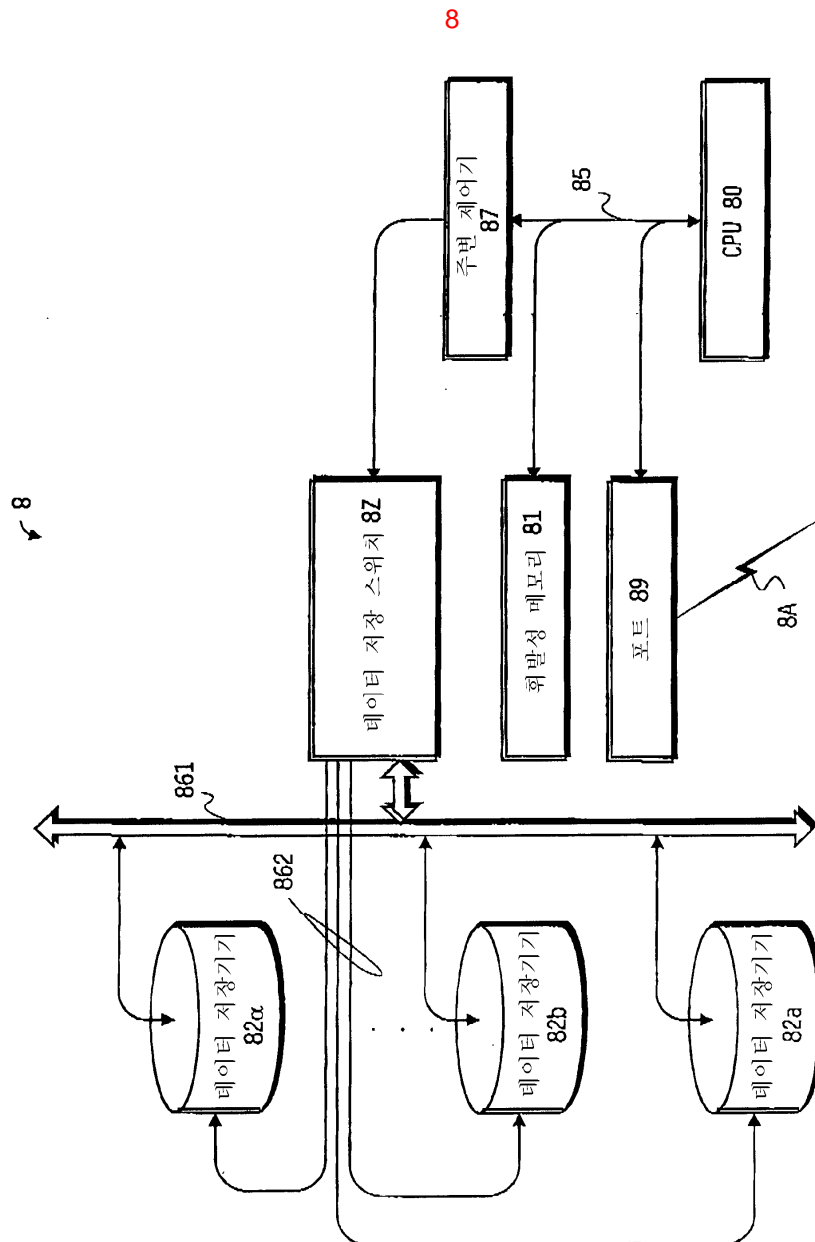


6B

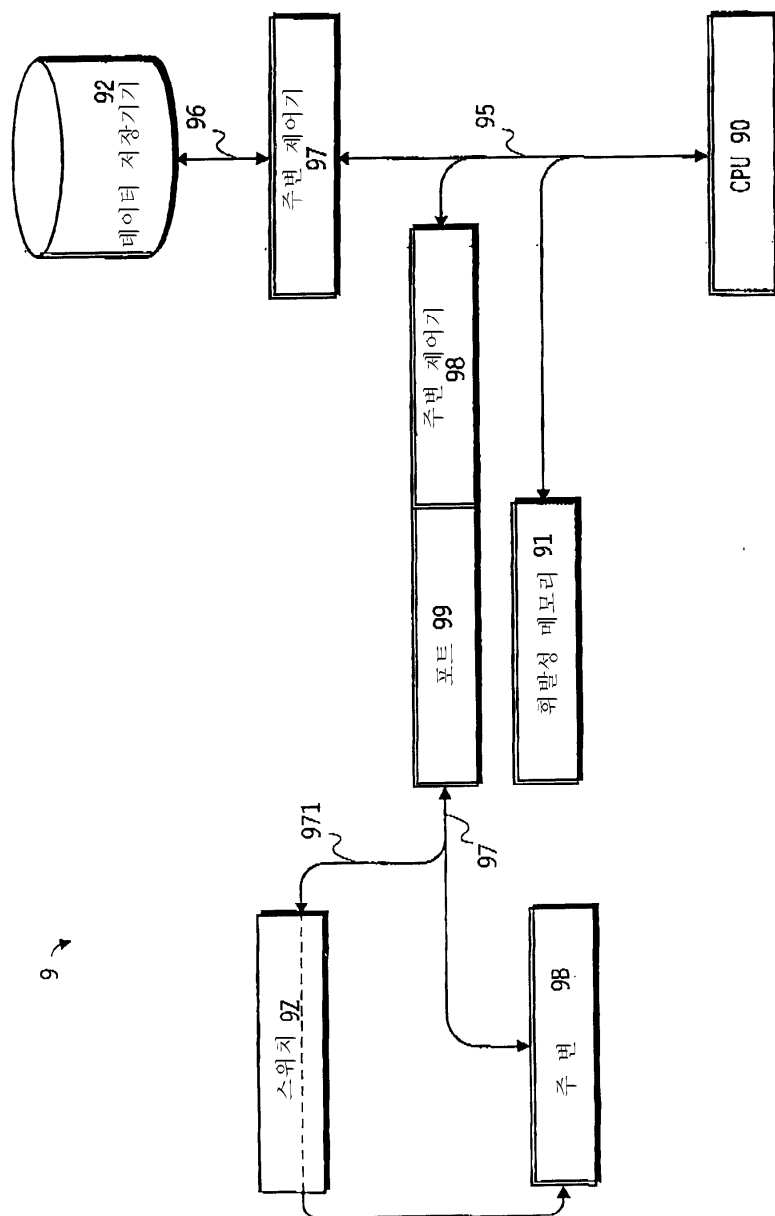






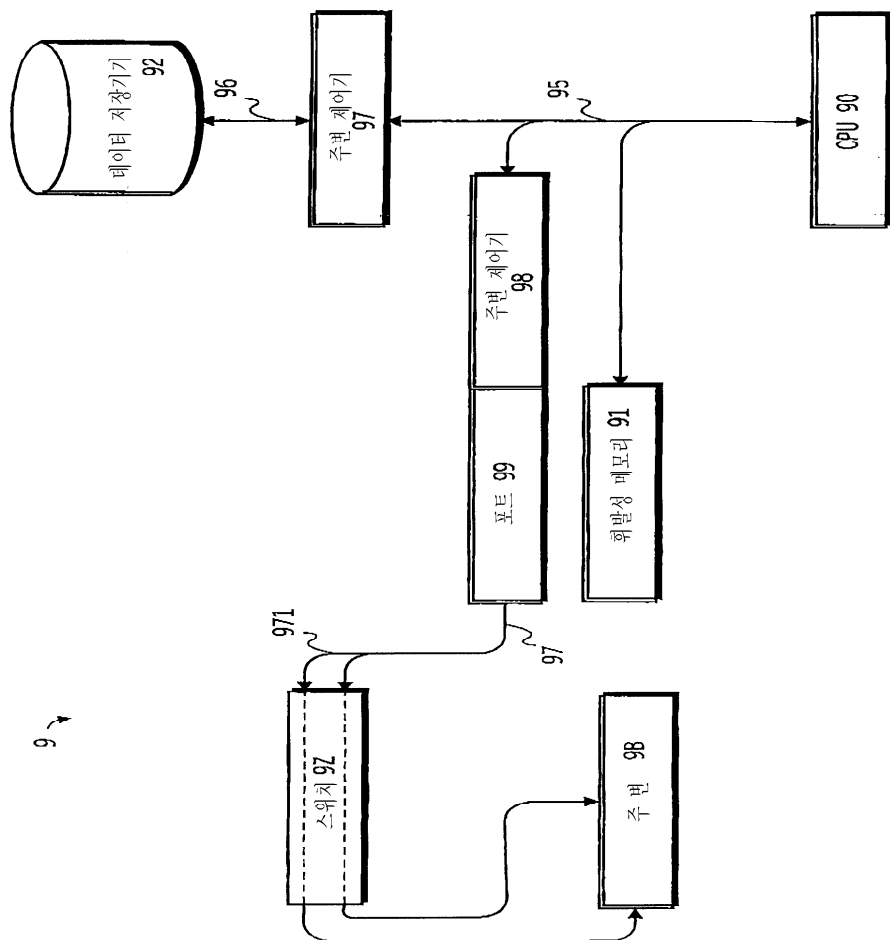


9A



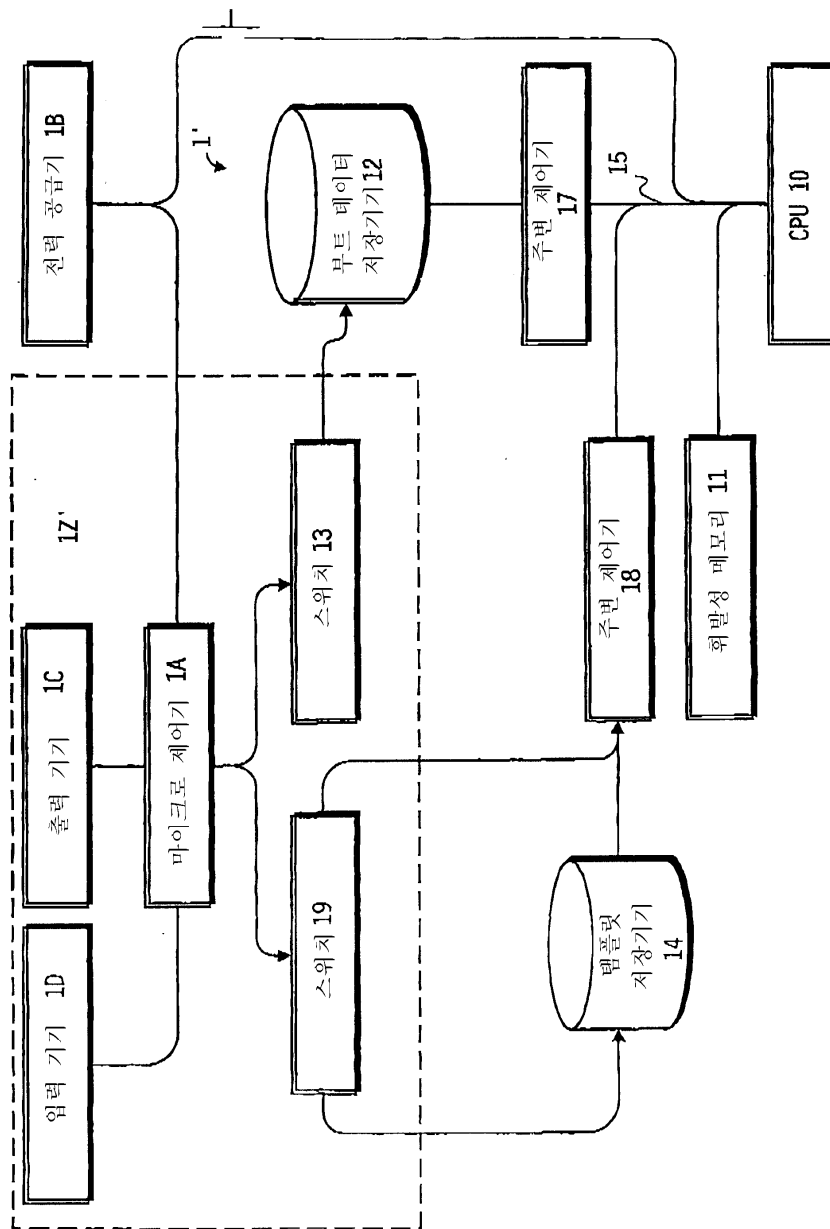
9

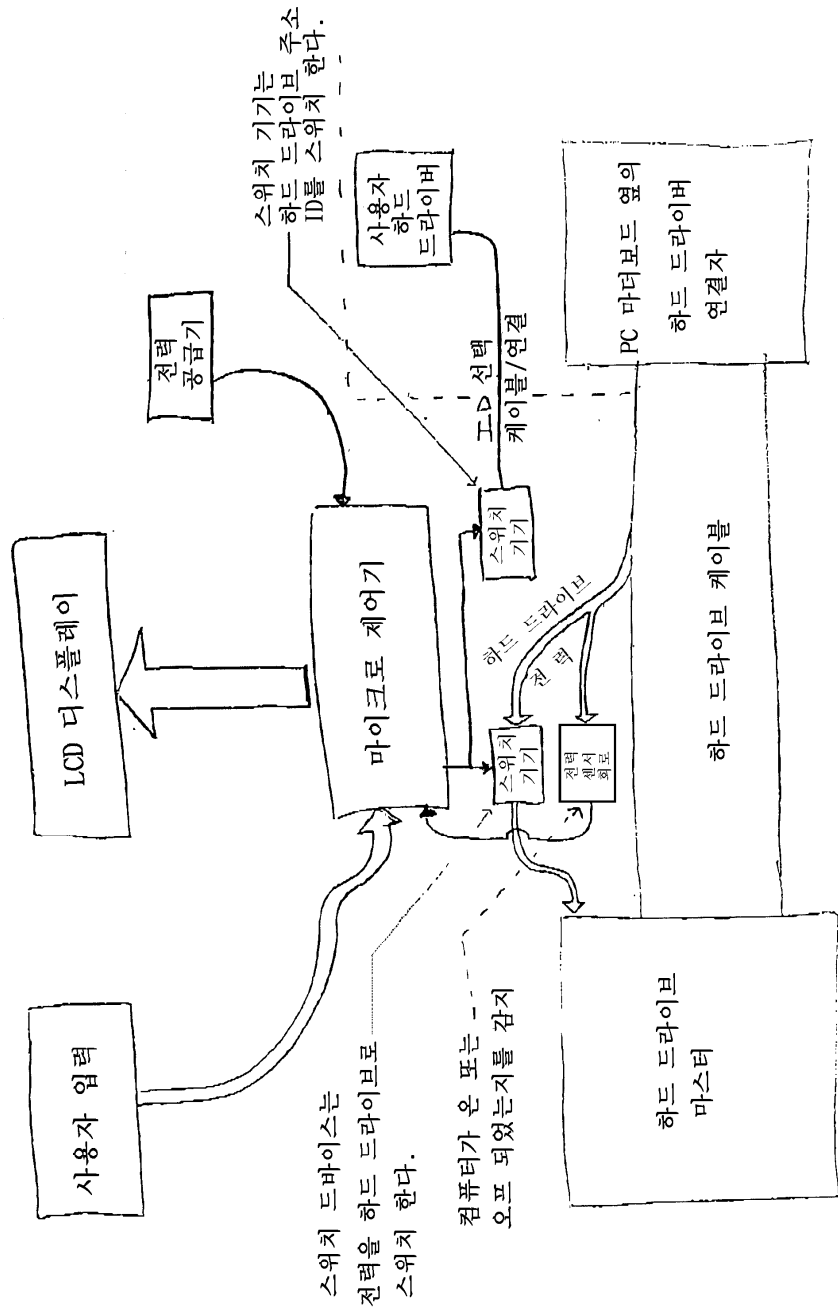
9B



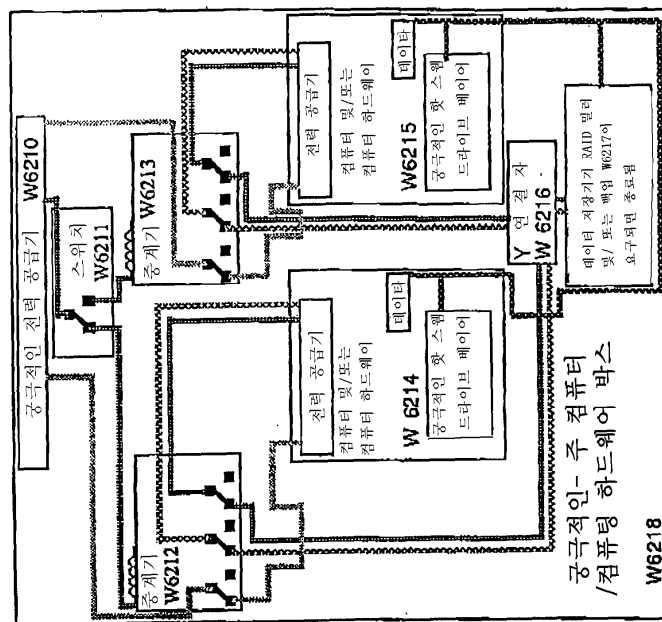
9

10





12



컴퓨터 및/또는
컴퓨터 하드웨어를
스위칭 하는데,
사용되는 도 W62

Key	12 Volt
	5 Volt
	Ground
	Ground
	Data
W5519	Power Ic:110/220/12V

13

