

(19) (KR)  
(12) (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/US2001/1662  
(86) 2001 05 21

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

$$(71) \quad , \quad 21 \quad 2460$$

(72) ,  
94116 21 2460

94610 #504 750

94116 #6

(74)

(54) 가 가

$$\begin{aligned} & \text{Left side: } \frac{\partial}{\partial x} \left( \frac{\partial \psi}{\partial x} \right) + \frac{\partial}{\partial y} \left( \frac{\partial \psi}{\partial y} \right) + \frac{\partial}{\partial z} \left( \frac{\partial \psi}{\partial z} \right) = 0, \\ & \text{Right side: } \frac{\partial}{\partial x} \left( \frac{\partial \psi}{\partial x} \right) + \frac{\partial}{\partial y} \left( \frac{\partial \psi}{\partial y} \right) + \frac{\partial}{\partial z} \left( \frac{\partial \psi}{\partial z} \right) = 0, \end{aligned} \quad (14)$$

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

USB

가 , , -  
가 , ,  
가

가  
( ) ,  
가 , , 가 , 가

가 가

1

2

3A

4

5

6A,6B

6A

7A,7B  
7B

7A

8

8

9A, 9B

10

11

12

/

13 IBM Travelstar 20GN, 30GT 32GH

14

, , , , , , , ROM, , , ,

/

가  
가  
가 (on) (off)

1 (17,18), 1 (1) (12) (15) (1) CPU(10), (11),  
C (1) (13,19), 2 (14), (1A), (1B), (1) (15) (11) (17,18) (17,18) , CPU(10)  
(13,19), (1A), (1B), (1C) (1D) (1Z)  
(1A) (1B) (13,19), (1A) (1C) (1D) (1B) (1) (1Z) (1Z) (1) (1Z)  
10 (1) 가 ( )  
(13) (12) (12) (12) (12) (12)  
) (19) (14) (19) (14) (14) (14)  
(11) RAM (12,14)  
(1C) (1) LED LCD  
2 (13,19) (V3) (1B) (1D) (1Z) (U1)(Parallax, Inc., Rocklin, California) 2 (U2,U3) 가  
(S1,S2) (1D) (1) LCD (U4) (J1) (1) 가 (1C) (1A)  
(12) 1 (12) 가 (1) 가 (12) 가 , 가  
가 (12)

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

$$, \quad (1D) \quad . \quad ( \quad 3A \quad 3B \quad , \quad (12) \quad . \quad ) \quad (320)$$

, 가 가

(jumper) /

$$4 \quad (1Z) \quad (13) \quad (4A3) \quad (19) \quad (1Z) \quad (12) \quad (14) \nparallel$$

(1Z) , (4A5) 가  
(1Z) (4A1)

(1Z)가 . , (485) (1Z)  
가

(489) , (14) (1Z) . (14)가 (14) (12) 가

$$(12) \quad \vdash (12) \quad (1Z)$$

(1) 가

, Microsoft Corp., Redmond, WA (1) Windows TM . ( autoexec.bat)

$$\text{가} \quad , \quad (1) \quad (14) \quad (12) \quad (12)$$

(12)

(14)가

가

ROM

(12)

(1)

Corel WordPerfect

(14) 가

(.exe, .dll, .o, etc.)  
.wpd )

(

(14)  
)

## BIOS

,

(12)

( , )  
( , )

가  
( Microsoft Outlook )  
Microsoft Internet Explorer

s)

(attack)  
가

가

$$\text{. (14)}$$

(14)

(12)

( )

(1)가

(10) Redmond, WA) : (12) 가 Windows TM (12) NaturallySpeaking (Microsoft Cor., (Lernout amp; Hausple, Ieper, Belgium and Burlington, MA) 가  
 (12) , , ,  
 (14)

(1) , ,  
 가 , ,  
 가 , ,  
 가 , ,  
 (1) 가 , , (300) , (310) (13) . . 3  
 , (1) (320) (300)  
 (14) (14) (14)  
 (14) (12) (12) ,  
 (1) (12) (12) (12)

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

4  
 가 ,  
 (1) 가 , ,  
 (1) 가 , ,  
 (1) , Windows 2000(Microsoft) (12) Linux ).  
 가 , , ( , , )

가 , , (12) (14) (12) (14) , 912 (14)  
 (12) (12) ,  
 (14) 가 , , (12) 가 , ,  
 (14) (14) , , (1) 2  
 2)

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

A)	(65, 66)	(6)	(6Z)	CPU
(60)	(65) (60) (69)	가 (61), (67, 68)	(67, 68) 가	(69) (62, 64)
(66)	(67) (62)	(62)	(6Z) (66)	(6Z) (661)
,	(67) ,	(68) (6Z)	(64) (671)	(6Z) (64)
가				
(69)	(6A)	(6)	,	
(6)	2	:	,	(69)
,	,	(6) 2	(6)	(69)
,	(6)	(6A)	,	(62, 64)
(64) 4)		가 (6A)	(	,
(	(62, 64) )	,	)	가 CPU(60)
,	가 가	(62, 64) ,	(6A)가 (64)	, CPU(60) (6A)
(	(64)	2	(64)	(6)
,	(69)	2	(64)	.
(6)				
6A	(6A) (6Z)	(661)	(62)	가
6B	(6A) (6Z)	(62)	(64)	(64) 가
	(64)	(6A) (64)	(62)	(6Z)
,	(6A)	(64) (6A)	(62)	가 (62)
(62, 64)		가		

## (A LOCKABLE NETWORK COMPUTER)

$$8 \quad (87), \quad - \quad (8) \quad (8) \quad (82a, 82b, \dots, 82_{(8Z)}), \quad (8) \quad \text{CPU}(80), \quad (89), \quad (8A) \\ (85) \quad . \quad (8) \quad (861 \quad 862) \quad (81),$$

(A COMPUTER WITH PERIPHERALS THAT CAN BE CYCLED)

D)

9A  
1), (97,98), - (9) (9Z) (9) (92), (99), (9B) (9) CPU(90), (95,97) (9)

) (95) (92) 991), (98) (97,98) (9B) CPU(90) (97)

(97) (99) (98)) (9B) , USB , , ,

(9Z) (97) (971) (972) (9B) (99) 가 (9Z) (9B)

(9) (9Z) (9B) (9B) (9B) (9B) (9B)

, (9) (9B) (9B) (9B) (9B) (9B)

, 가 (9B) (9Z) (9B) (9B) (9B)

(9B) 가 , (9B) 가 , (91)  
가 (1) (97)

9B (9) . (9Z)

## (A MULTI-USER COMPUTER)

5 (57), (5Z) - (561 562) (52a,52b,...52 ) . (56) . (55) . (51), (5) (55) (51), (57) (59) , CPU(50)

$$(57) \quad , \quad (5Z) \quad . \quad (5Z) \quad (5Z) \quad (5Z) \quad (52)$$

$$. \quad (561) \quad (5Z) \quad (5Z) \quad (5Z) \quad (5Z) \quad (52)$$

$$, \quad (562) \quad (5Z) \quad . \quad (5Z) \quad (5Z) \quad (52)$$

$$(52) \quad . \quad (5Z) \quad (5Z) \quad (5Z) \quad (52)$$

(5) (5Z) 2 (5Z) 1 (52b)가 (52a)가 (57) (57) (57) (57) (52) . 1 . 2 . , (5Z) N (52) . , (52) .

, (5) 가 . . . . . (5')

(52) (52) 가 , . (52)

$$(5) \quad , \quad (5Z) \quad . \quad (52) \quad (52) \quad (52) \quad (57)$$

$$(1, 1) \quad 2 \quad \dots \quad (5)$$

52) (51) 가 . . . . . (

, ROM

(1A)

## (APPENDIX))

USB,

가 가

가 / / , 가

/ , 가 : 가

ID' /

(1) OS, 가

(2) 3가 : a) ' ' b) ' ' c) ' ' 'a' ' 'b'

, 2 가 ' ' 가

'a' , 1 OS 1 OS 'b'  
가 'c' 가( 1 , 2 ) ( 1 2 ROM  
가 )

ID ( ) ) 'c' ( 2 가 / 가 /

1 OS, / / 1 : 가 '

1 가 , 2 가 , ID 가 , ID'

1( , , , /  
) 2 'c'

1 2

'b' 1 OS

'C'

<sup>2</sup> See, for example, the discussion of the 1992 Constitutional Convention in the *Constitutional Convention of 1992: The Final Report* (1993).

OS ,

IDs / 가 /

가

(expose),

가

가

IT 가가 /

(      가      )가  
      2

가 , 가 (shortcut and/or aliases)

, / 가 , ,

(hiding)', (un-hiding)',

1)

2)

3) 가

/ ,

/

가 /  
가  
가

( , , )  
가

/ 가

가

(GPS),

가

1)

2) ' (bogus)',

가 ( id가 )

/

/

/

가

(  
가 )

가 , , 가 ,  
 , / /  
 , 가 . , , '가  
 , / /  
 , 가 .  
 /  
 /  
 ( .  
 . StorExecute  
 가 / 가 , )  
 / StorExecute /  
 , , /  
 /  
 /  
 ( .  
 . IDE  
 (41, 42) .) ( 43)

13

13

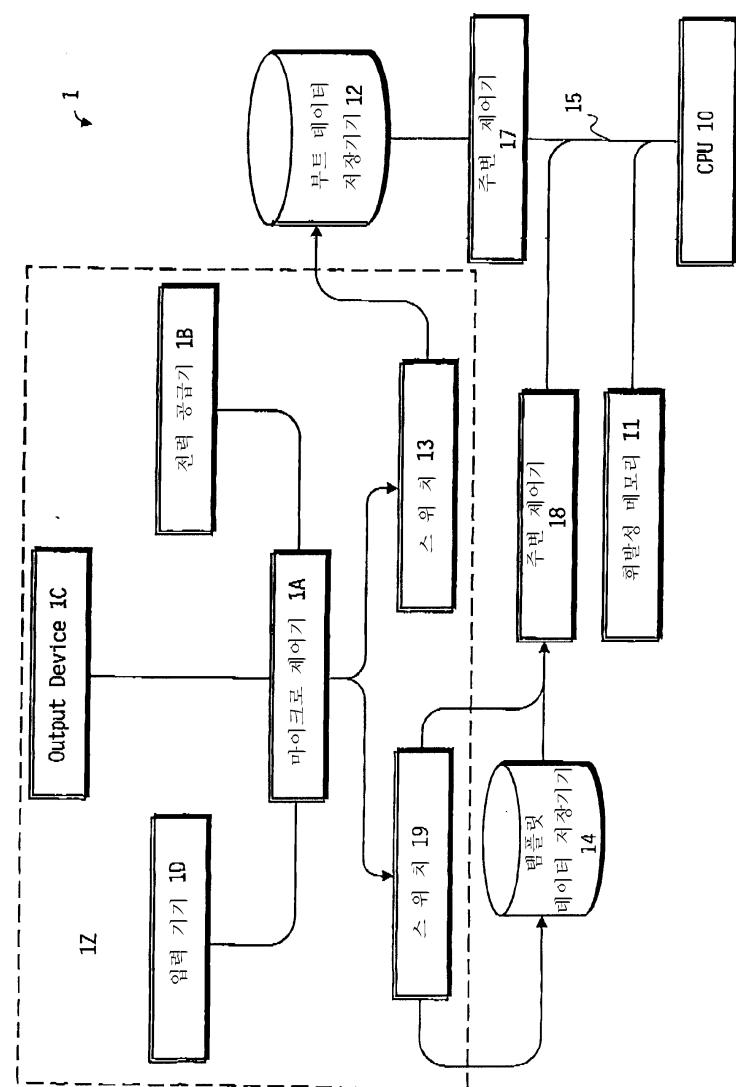
(57)

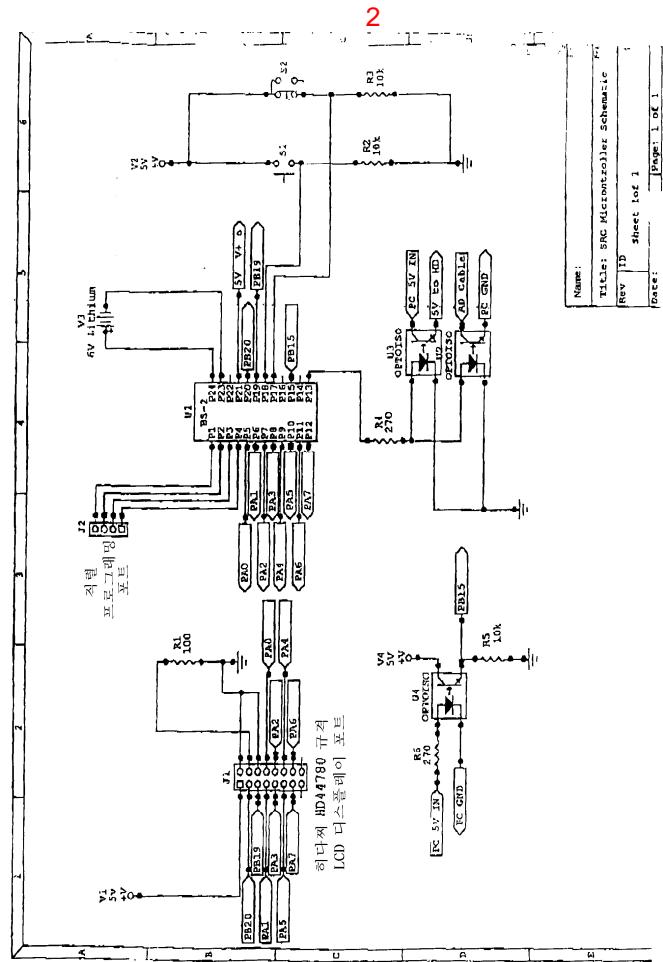
1. 가 ,  
1 ; ;  
2 , 1
2. 1 1
- 3.

1 , 2 1

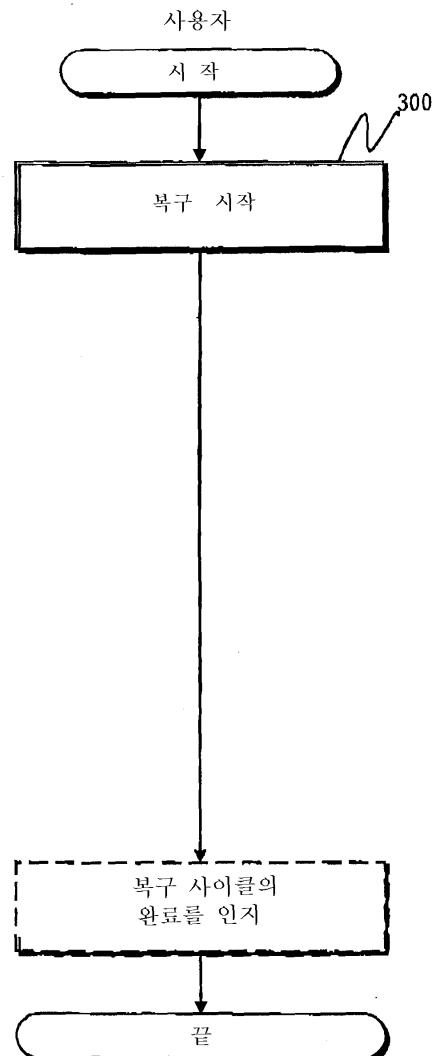
4.  
1 , 1 1  
, / (archive)

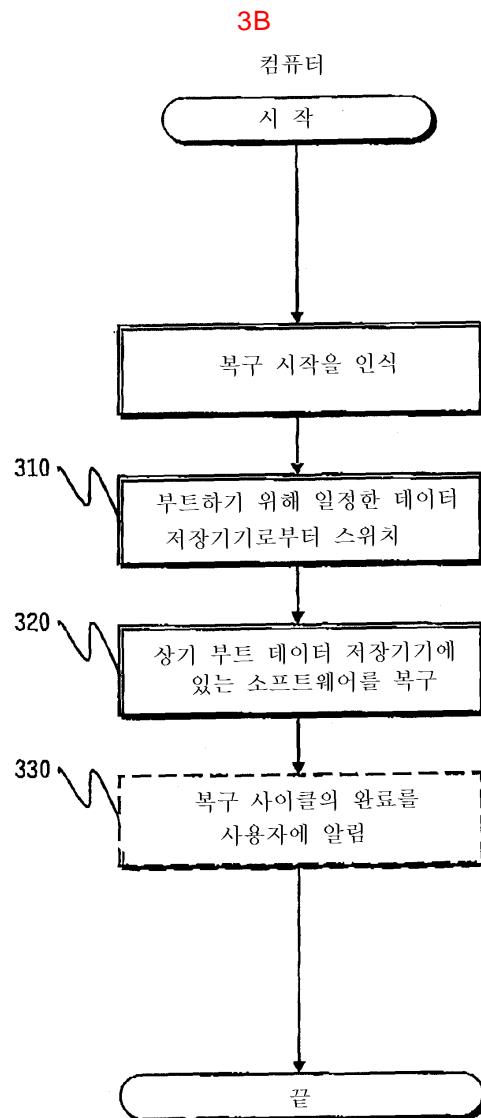
5.  
가 , ;  
1 , 2 ;  
2 , 2 , /  
1

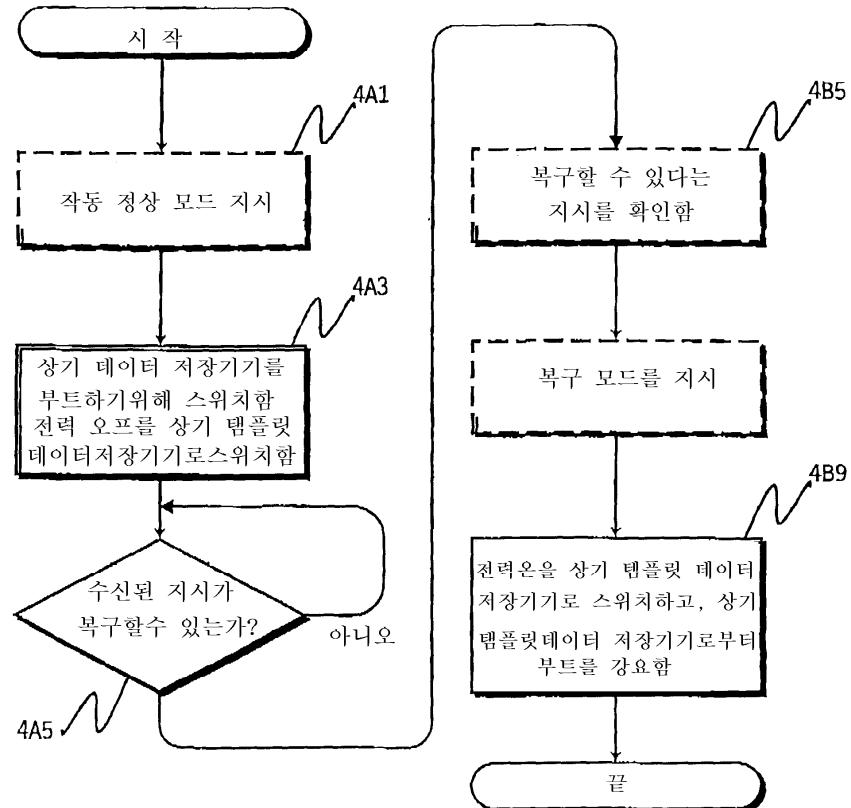




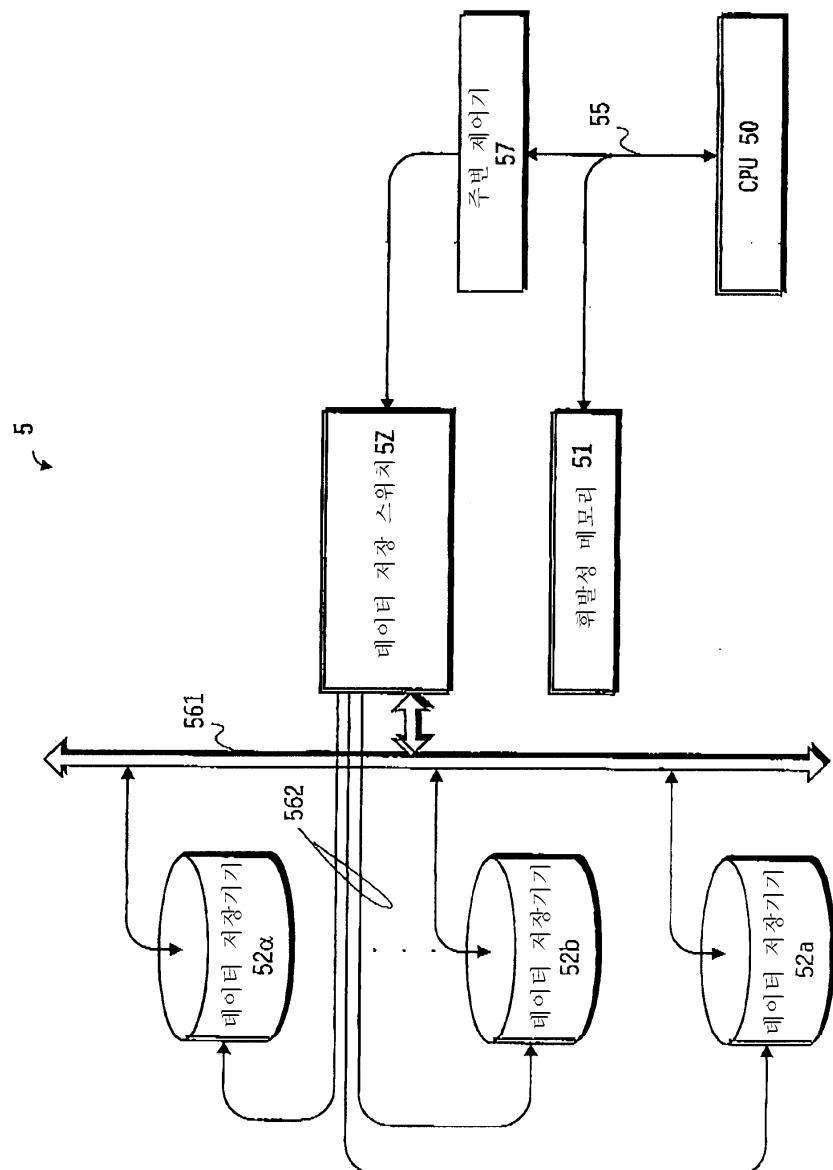
3A



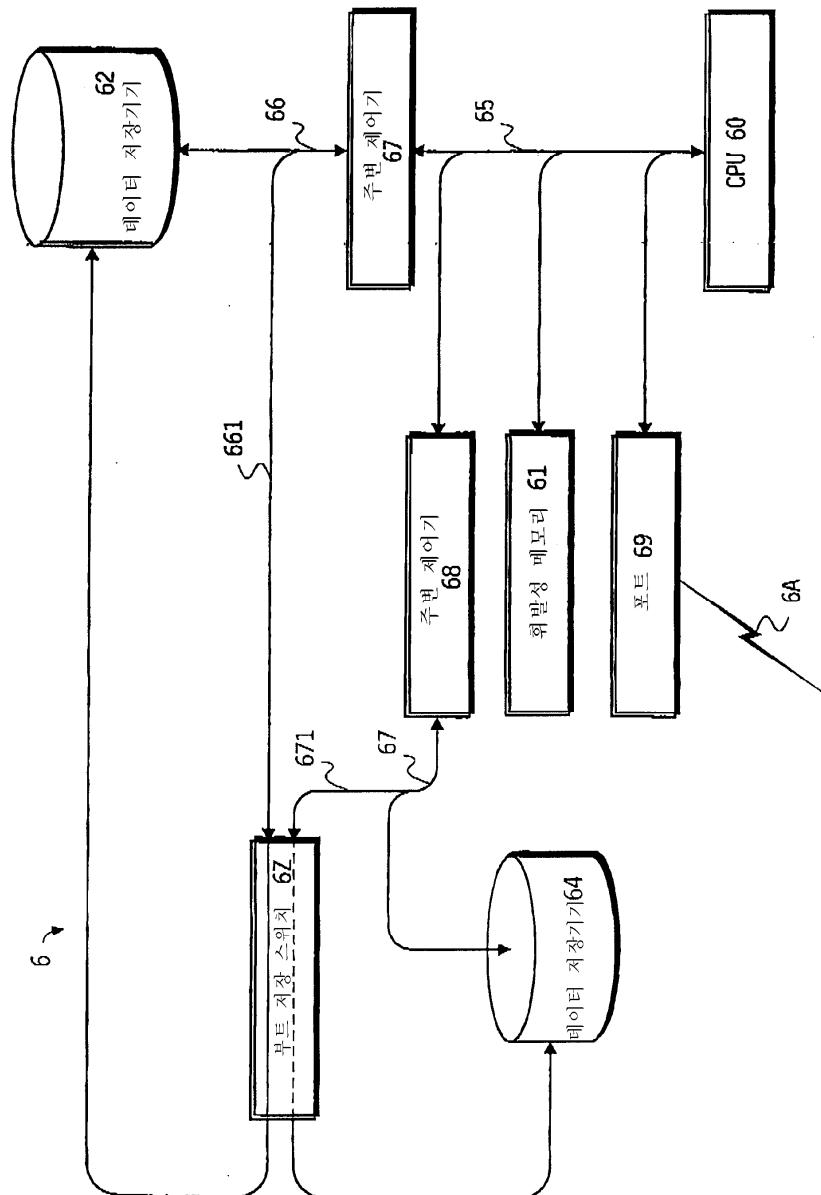


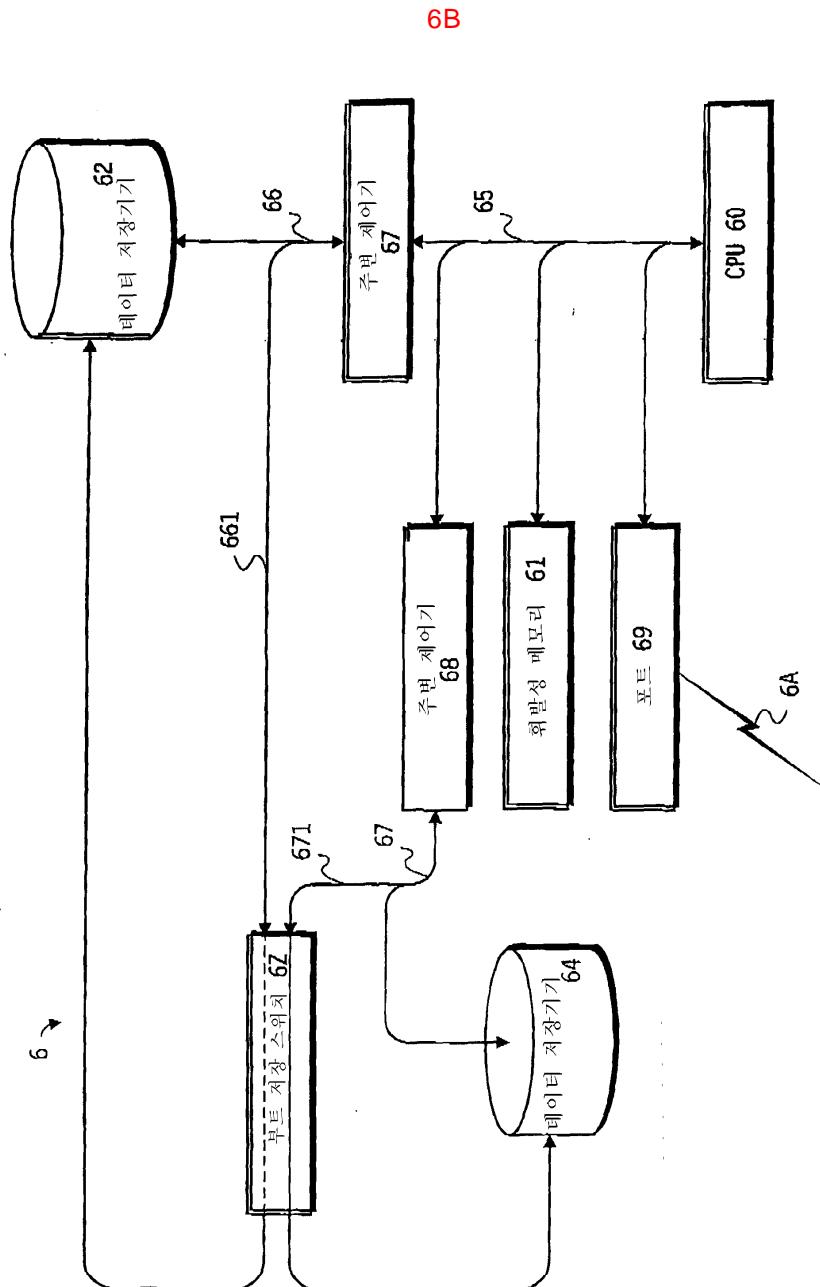


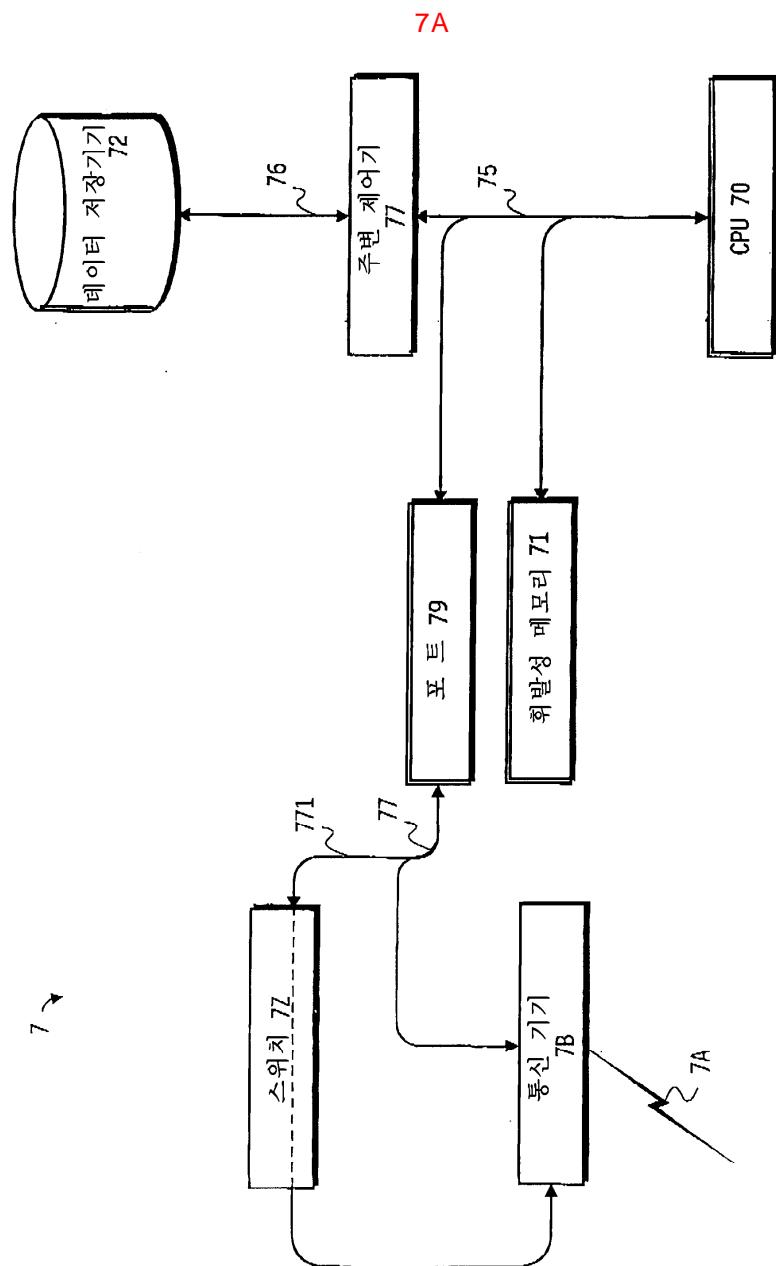
5

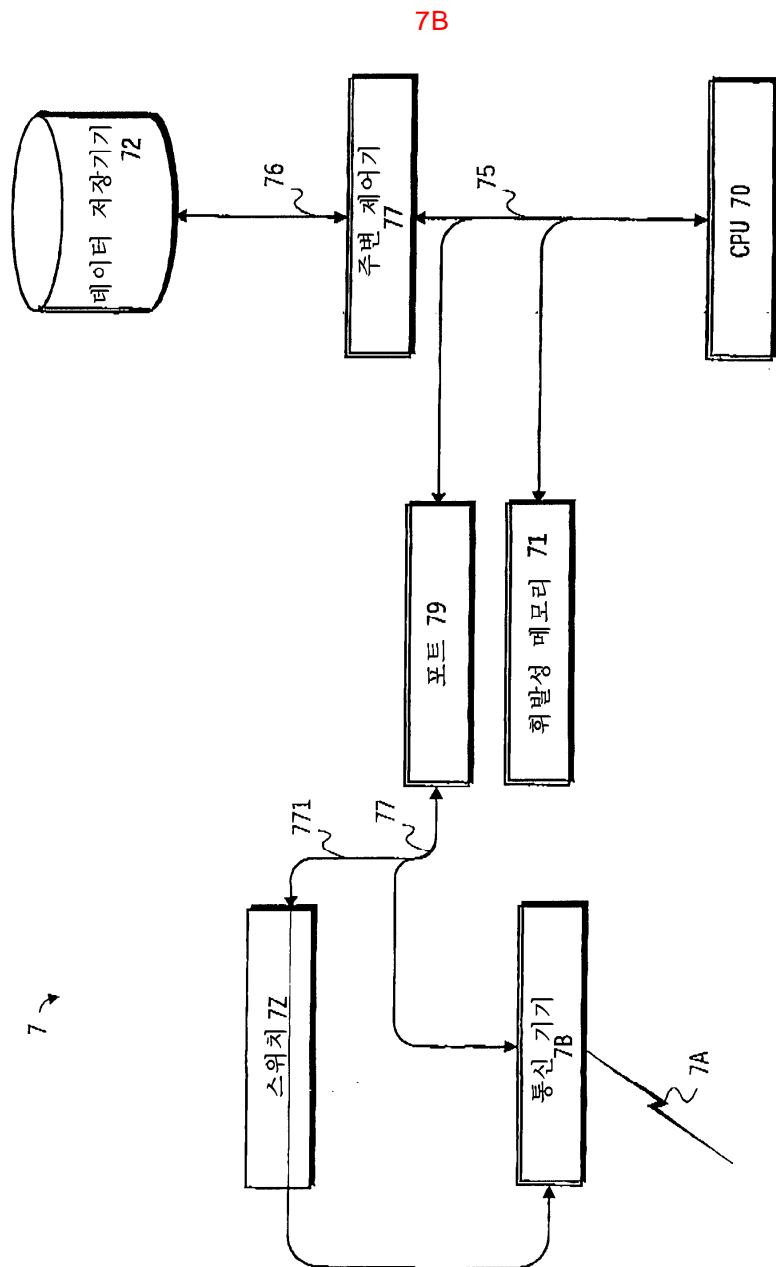


6A

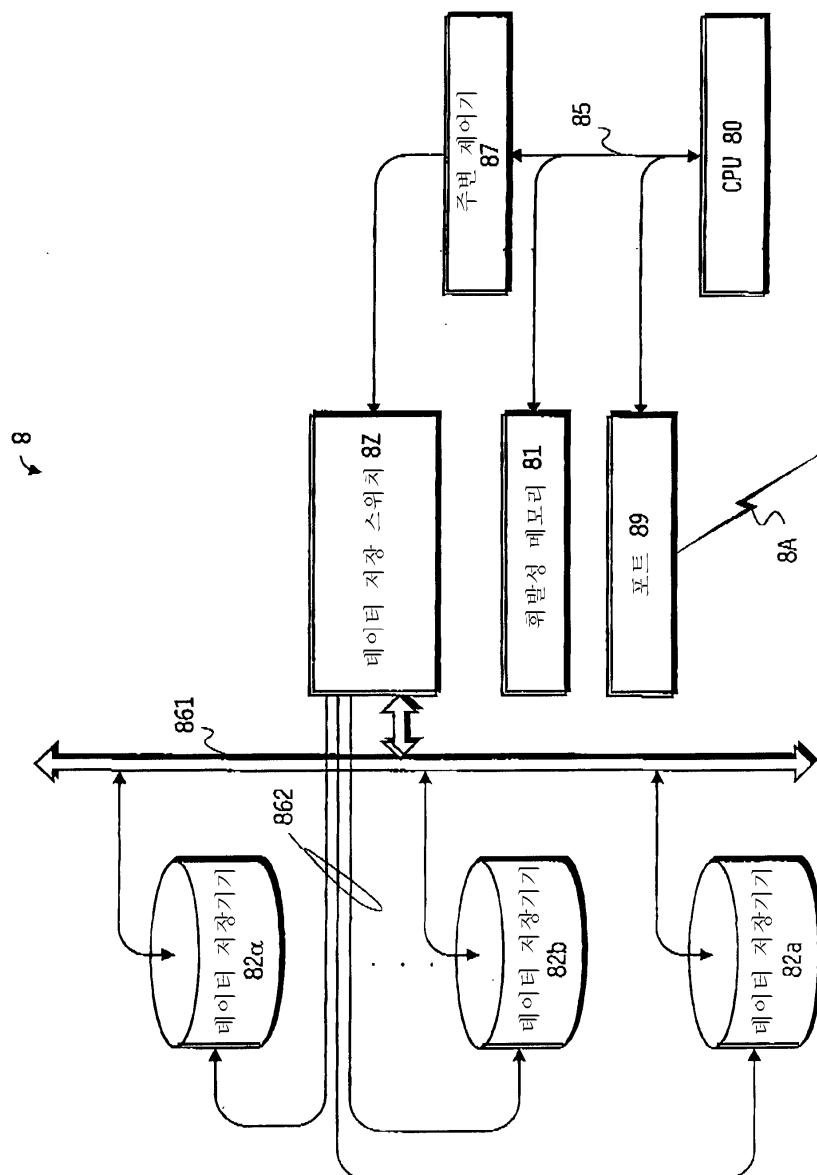




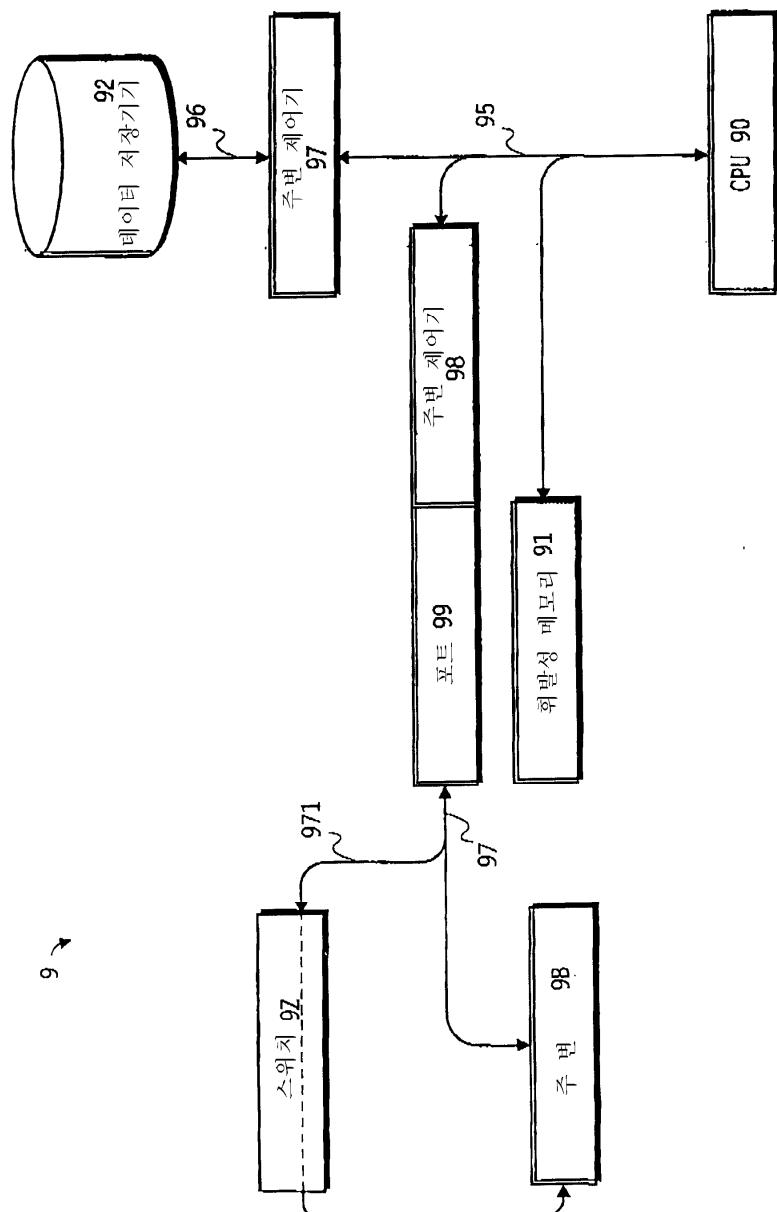




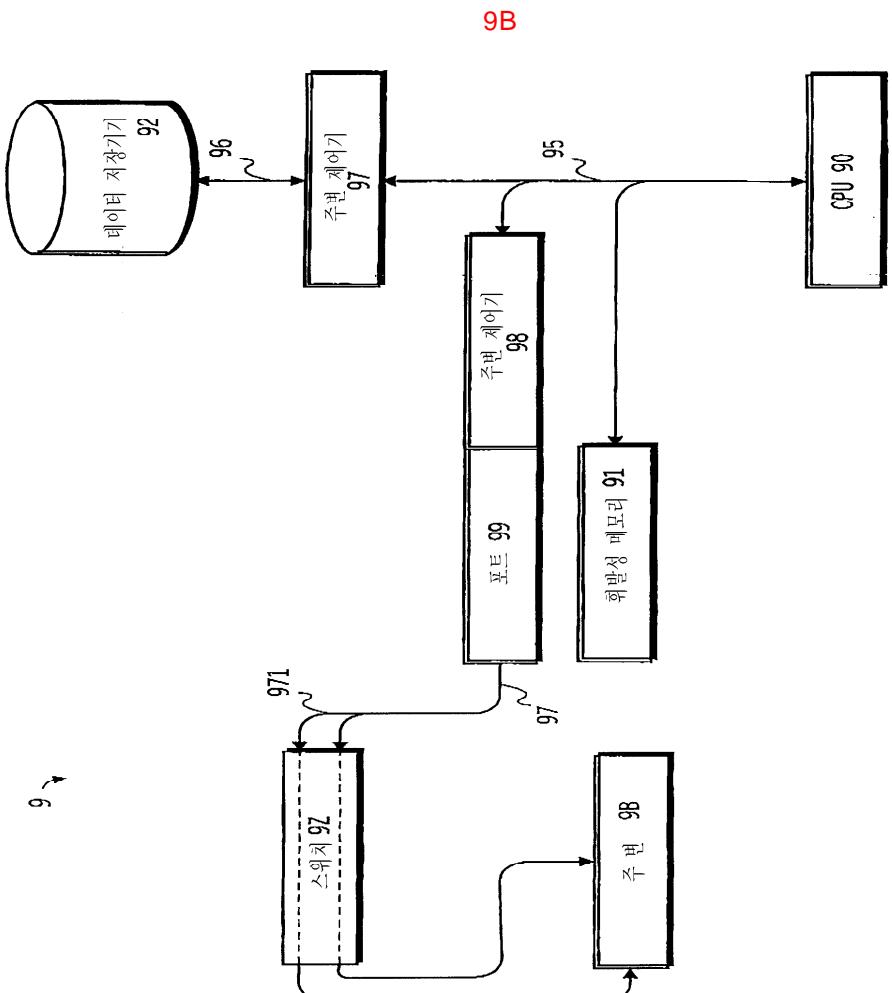
8

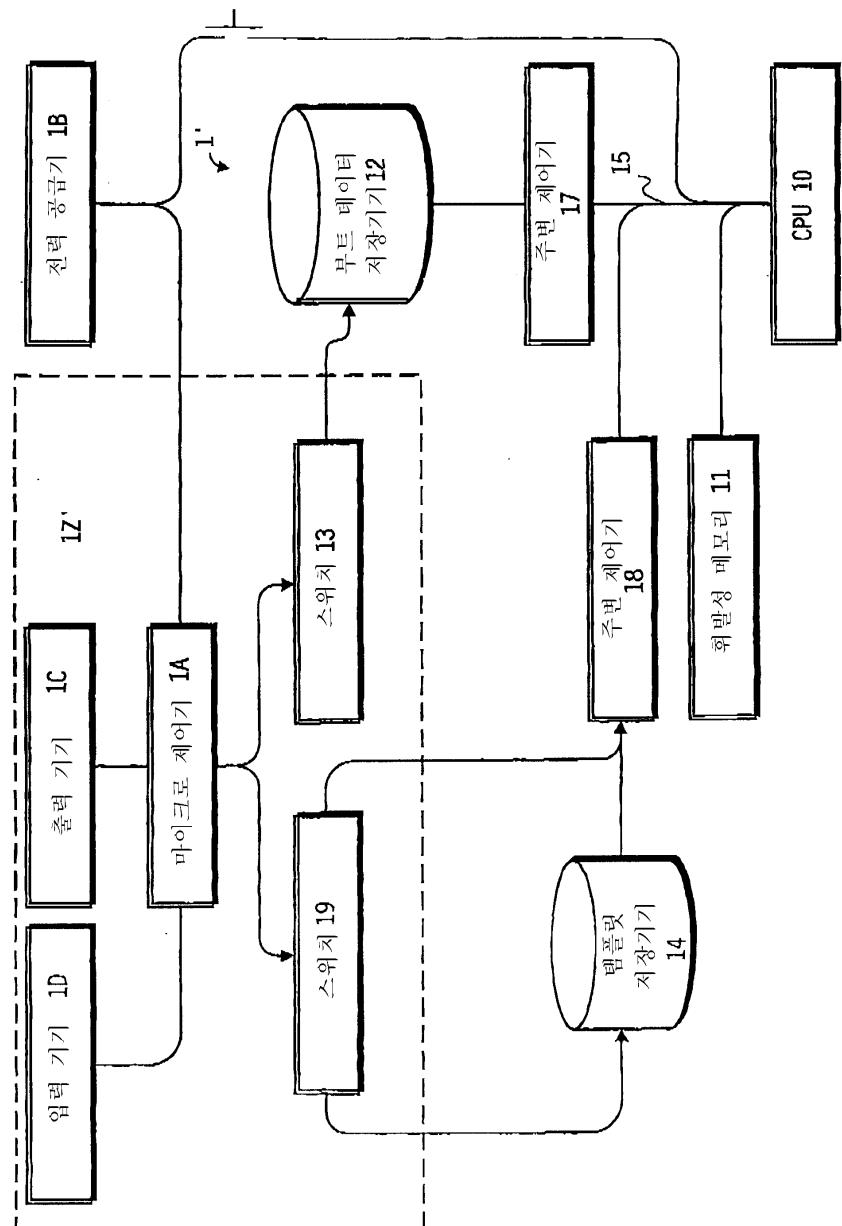


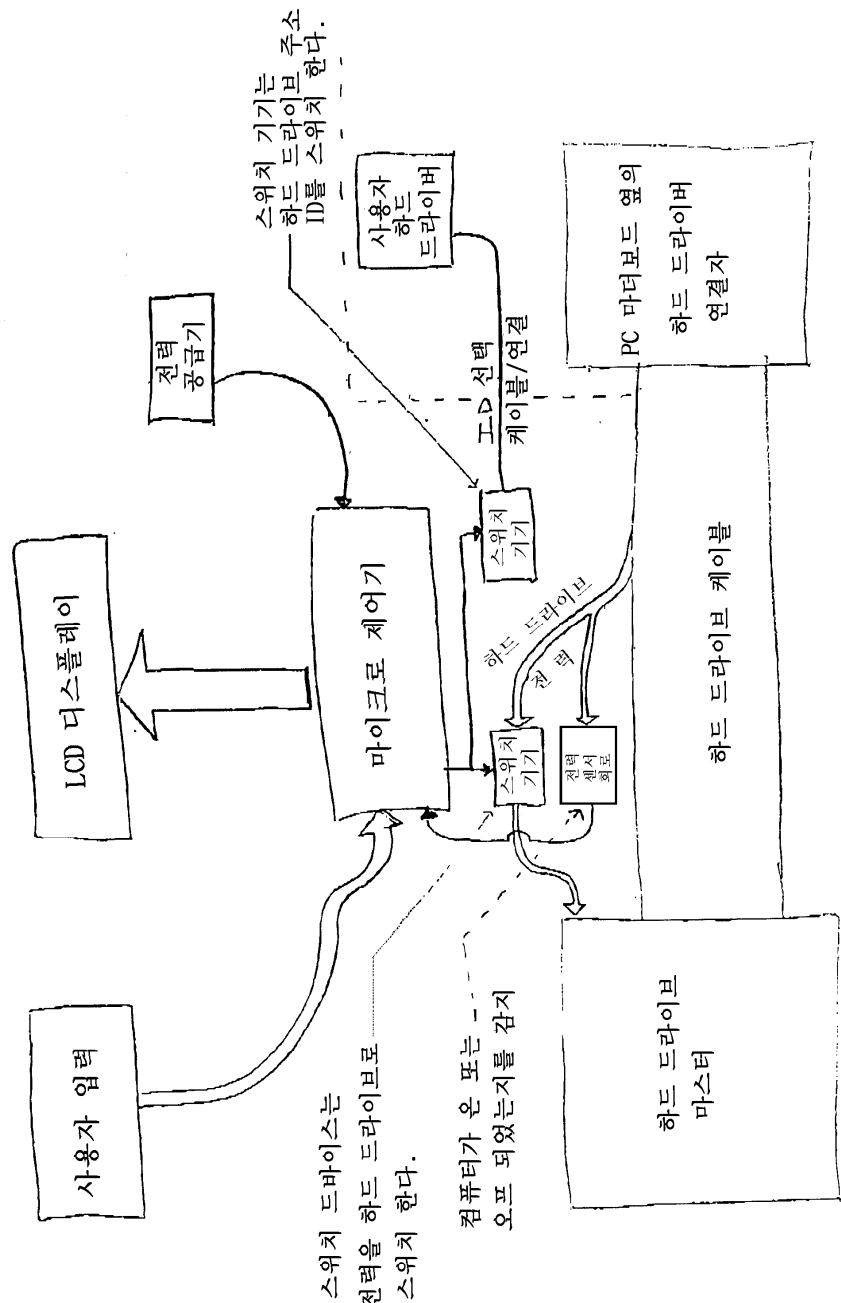
9A

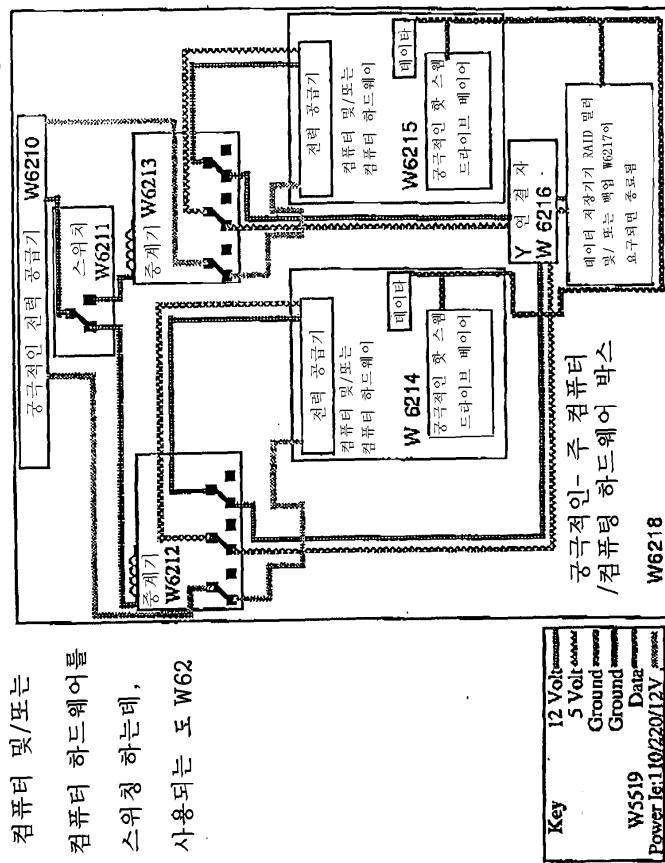


9 ↗









컴퓨터 및/또는  
컴퓨터 하드웨어를  
스위칭하는데,  
사용되는 도 W62

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