

(19)
(12)(KR)
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G06F 3/00(11)
(43)2003 - 0031202
2003 04 21(21) 10 - 2001 - 0062879
(22) 2001 10 12

(71) 20

(72) 422 2 408

(74) :

(54)

PC UI , PC UI , PC UI

가 , .

1

1

2 1 .

3 가 가 .

4 가 .

5 .

6 .

7 .

8 .

9 가 .

10 .

11 가 .

12 가 .

13 14 PC UI .

15 PC UI .

16 PC UI .

17 18 .

19 가 .

20 19 UI .

22 19 .

23 .

가 가

가

가

PC UI

PC UI

PC UI

가

(User Interface; UI)

가

(parent)

가

(child)

UI

3

가

(v

ideo)

(contrast),

(brightness),

(color),

(tint),

(reset)

(position)

(flip horizontal),

(flip vertical),

(keystone), (zoom)

(special)

(language),

(resize),

(blank image),

(lamp time)

(audio)

(treble), (bass),

(balance)

5

가

UI

4

K)

(remote controller)(R)

(K)

(R)

(K)

(control keypad)(

(R)

/

가

(

PC UI

)

UI

가

PC UI

(가

)

가 가

1

ture Description)

(B),

UI

PC UI

PC UI

(Adaptive PC UI Configuration) (A)

UI

PC UI

(UI Struc

(HW Interface Communication Protocol)(C),

(Real HW Operation and Result Feedback)(D)

PC UI (A) UI (B) PC UI 가 (PC)
 (U) . (U) PC UI 가 (HW)
 , (C) (HW)
 (HW)
 (PC) , (U)가 .

2 . PC UI (A) UI (B)가
 (menu structure description) PC UI , PC UI (PC)
 . PC UI (A) UI (B)가 (input
 device command description) 가 , 가 (PC)

(PC) , PC UI 가 가
 , PC UI (B`)
 ,
 (HW) .

(HW) UI (PC)

6 (item name), (menu hierar
 chy level), (item order in this level), (parent menu),
 (number of child menu items), (operation linked to this menu)
 (menu item) .

가
 (HW)

5 가 .

Item : Menu Base

Hierarchy : 0(Base Level)

Parent Item : None

Order : 1

Child Item : 4

Operation : None(Base Level Parent)

Item : Video Main Menu

Hierarchy : 1(Top Level)

Parent Item : Menu Base

Order : 1

Child Item : 5

Operation : None(Top Level Parent)

Item : Audio Base

Hierarchy : 1(Top Level)

Parent Item : Menu Base

Order : 4

Child Item : 3

Operation : None(Top Level Parent)

Item : Video Contrast Base

Hierarchy : 2(1st Children)

Parent Item : Video Main Menu

Order : 1

Child Item : 0

Operation : Video Contrast

Item : Video Brightness Menu

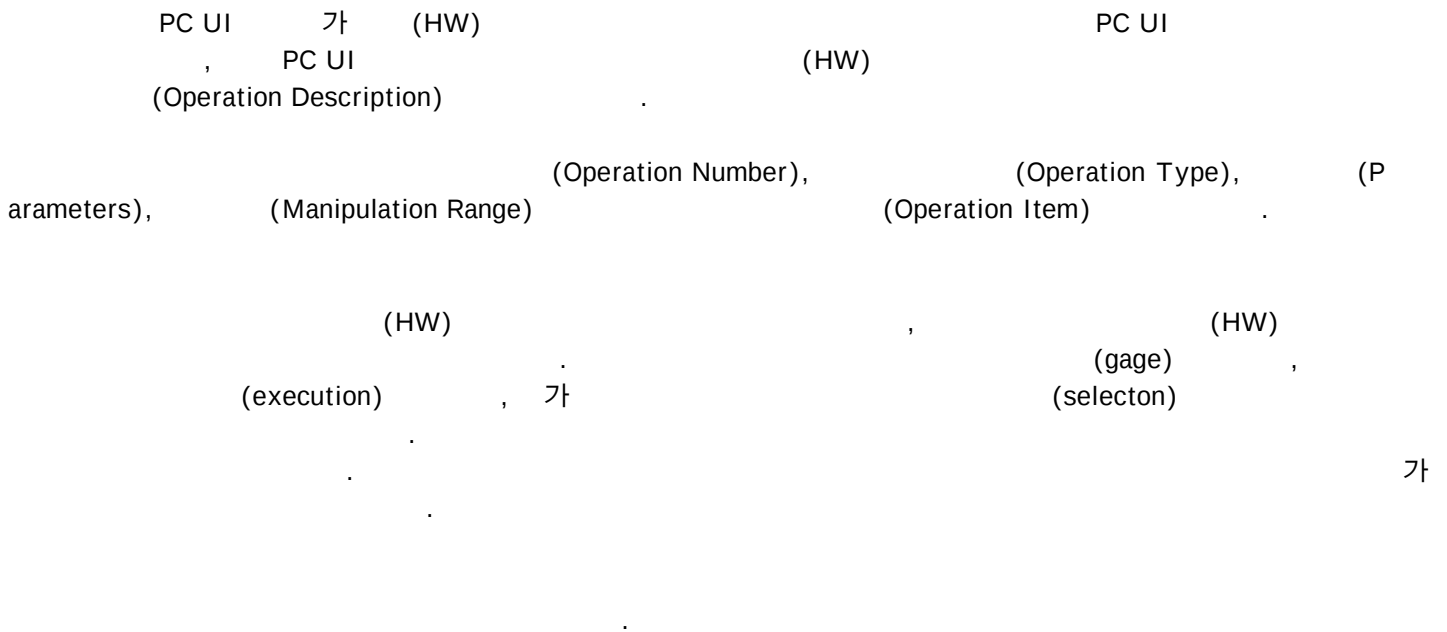
Hierarchy : 2(1st Children)

Parent Item : Video Main Menu

Order : 2

Child Item : 0

Operation : Video Brightness



Operation Item : Video Contrast

Operation Type : Gage

Parameters : Video Contrast Number

Manipulation Range : [0,100]

Operation Item : Video Brightness

Operation Type : Gage

Parameters : Video Brightness Number

Manipulation Range : [0,100]

Operation Item : Language Selection

Operation Type : Selection

Parameters : Language Index Number

Manipulation Range : [0,7]

Operation Item : Av Video Reset

Operation Type : Execution

Parameters : None

Manipulation Range : None

PC UI	가	,
8	(Input Device Type),	(Command Name),
(Command Order),	(Real Command Number)	(Inp
ut Device Command Item)	(input device)	,
,	가	가
,	가	(HW)

Input Device : Remote Controller

Command Name : Right

Command Order : 6

Command Number :10(Right)

Input Device : Keypad

Command Name : Right

Command Order : 6

Command Number :10(Right)

PC UI	2	가
,	9	가

MEMU

Input Device : Remote Controller

Command Name : MENU

Command Order : 1

Command Number : 15

ENTER

Input Device : Remote Controller

Command Name : ENTER

Command Order : 2

Command Number : 44

UP

Input Device : Remote Controller

Command Name : UP

Command Order : 3

Command Number : 1

DOWN

Input Device : Remote Controller

Command Name : DOWN

Command Order : 4

Command Number : 2

LEFT

Input Device : Remote Controller

Command Name : LEFT

Command Order : 5

Command Number : 3

RIGHT

Input Device : Remote Controller

Command Name : RIGHT

Command Order : 6

Command Number : 4

SOURCE

Input Device : Remote Controller

Command Name : SOURCE

Command Order : 7

Command Number : 10

STILL

Input Device : Remote Controller

Command Name : STILL

Command Order : 8

Command Number : 14

RESIZE

Input Device : Remote Controller

Command Name : RESIZE

Command Order : 9

Command Number : 20

MUTE

Input Device : Remote Controller

Command Name : MUTE

Command Order : 10

Command Number : 5

POWER

Input Device : Remote Controller

Command Name : POWER

Command Order : 11

Command Number : 12

HW) (HW) (PC) , (PC)가
 (HW) 가
 (HW) .

PC UI, PC UI 10, PC UI, PC UI, 가, PC UI, (HW), (HW), (HW), .

가 가, PC UI, PC UI 가, (HW), (HW), (H W), (PC), .

PC UI 가 가 (202), 가 (200), (HW), (300), 11, 12 PC UI (302), (HW), (304), (HW), (306), (308), (PC), (HW), (204), (H W), (304), .

PC UI 13 14, PC UI 3, 가, PC UI (brightness), (color), (tint), (reset), (contrast), 가, (BAR)가 0 - 100, .

PC UI 가 PC UI(400), PC UI (500), 15 16, PV UI UI (402), FP (HW), (HW), (404), (HW), PC UI (506), (HW), (PC), (508), .

(PC), 가 PC UI, 가 가, 17 18, .

가 19 (PC) (PC) (600) , PC (602) , PC (600) , UI (604) , PC (606) , (608) (608) .

PC UI (608) UI (608) PC (602) UI (608) (606) (610) UI (608) (HW)가 , UI (606) .

UI (610) PC UI 가 , (604) 가 (610) , (614) (616) (HW) . (HW) (612) , (616) .

(HW) (HW) (700) , (700) (702) , (700) (H W) UI (704) , (706) , (714 718) . (HW)가 , (714), (716), (178) .

(706) (PC) (708) , (712) (708) , / (712) (708) , / (712) (710) , 가 , (700) (700) 가 (710) (PC) / (712) .

UI (610) 20 (PC) UI (610) UI (612)가 PC UI (606) 가 PC UI (614), (616) (HW) . UI (310) UI (612)가 가 , (614), (616) (HW) .

UI (610) PC UI (HW) , 가
(HW) .
,

21 (PC)가 / (712)
/ (712) 가 (PC)
, 가
, / (712)
/ (712)
22

가

가

PC UI 가 ,

(57)

1.

PC UI

PC UI , PC UI

2.

1 ,

가

3.

1 ,

가

4.

1 ,

가

5.

가
가

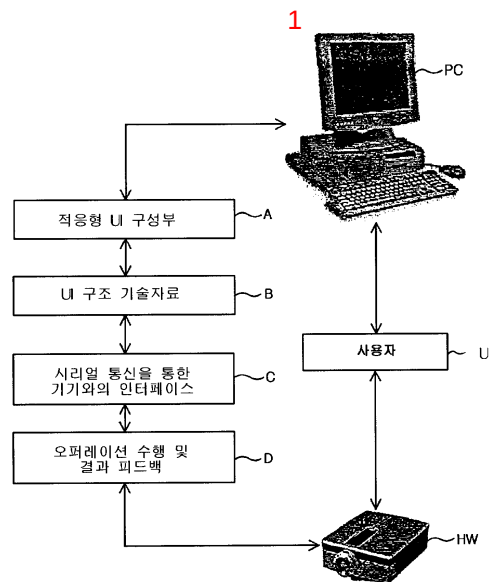
가

가 가 가 ,

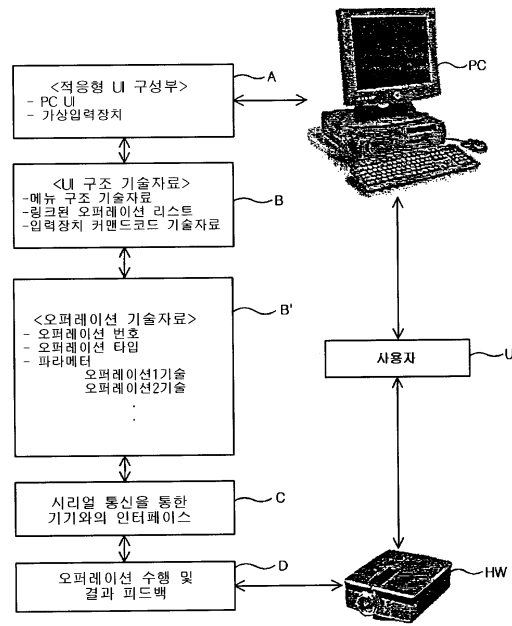
6.

5 , ,

가



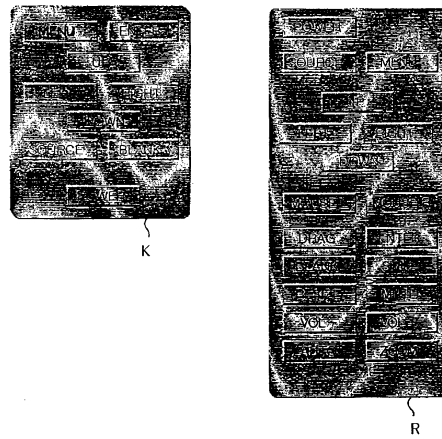
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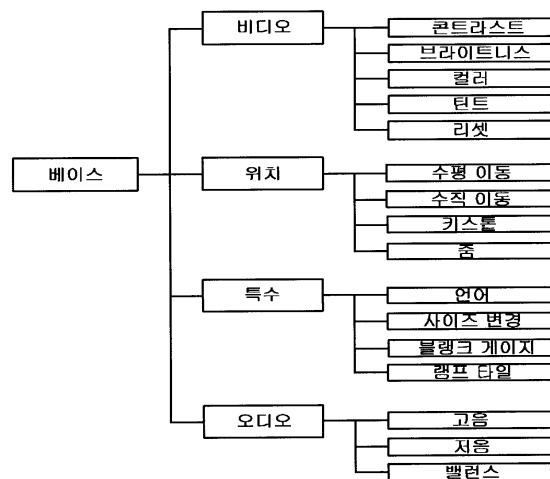
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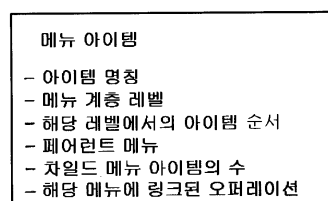
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5



6



7

오퍼레이션 아이템

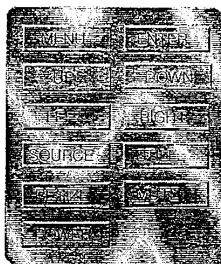
- 오퍼레이션 번호
- 오퍼레이션 타입
- 파라메터
- 조작 범위

8

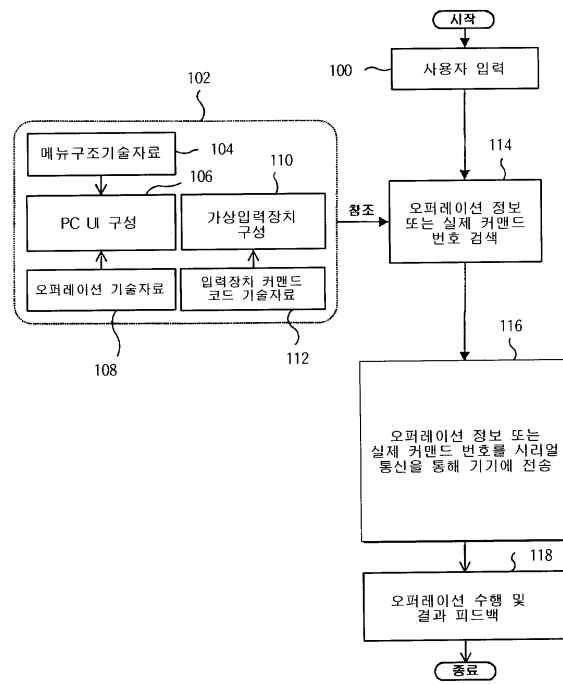
입력장치 커맨드 아이템

- 입력장치 타입
- 커맨드 명칭
- 커맨드 순서
- 실제 커맨드 번호

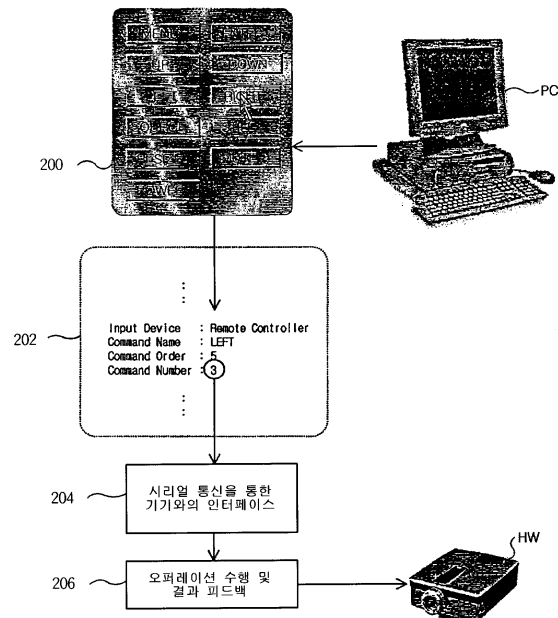
9



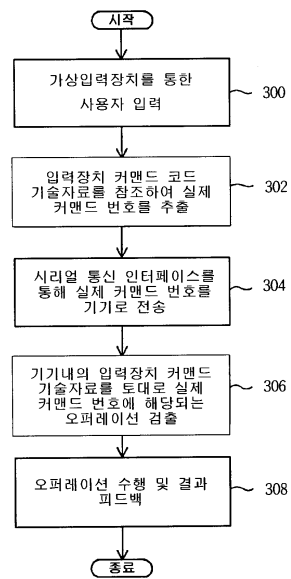
10



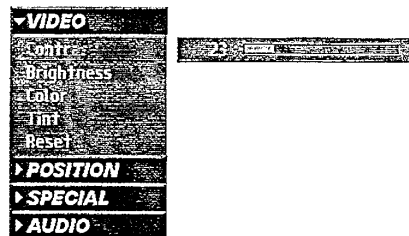
11



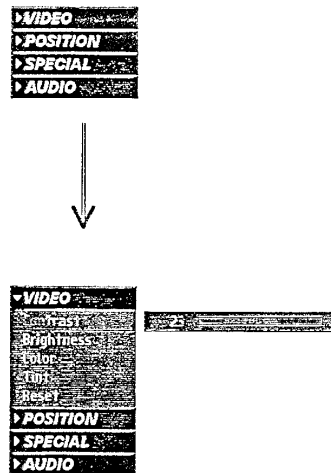
12



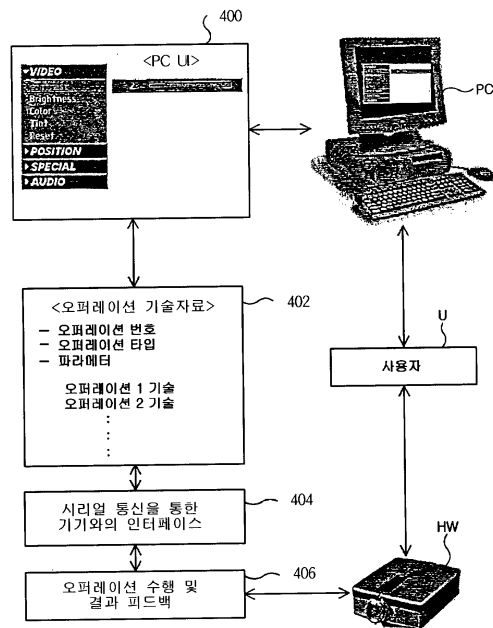
13



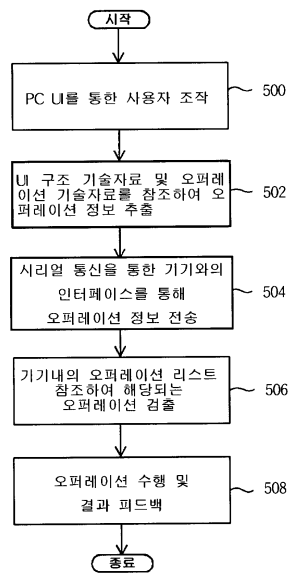
14



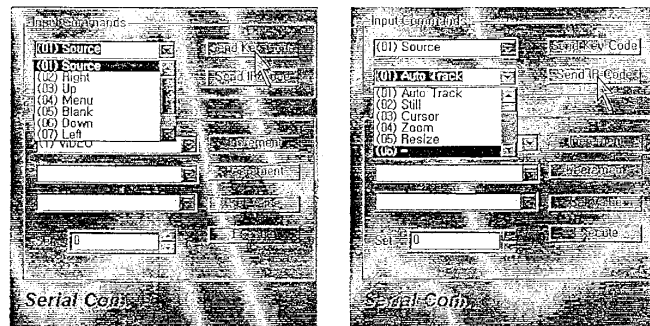
15



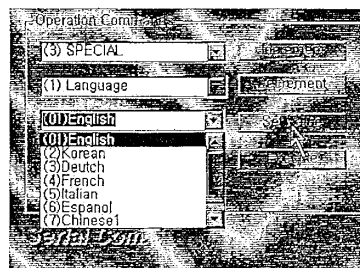
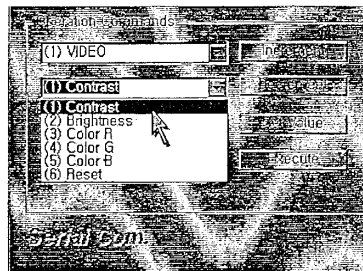
16



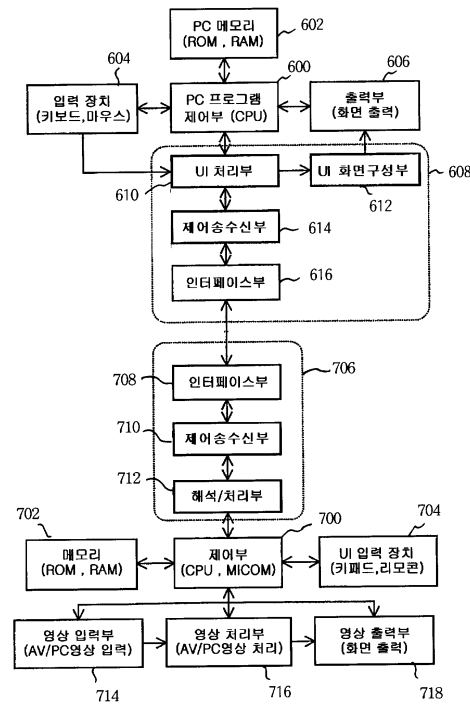
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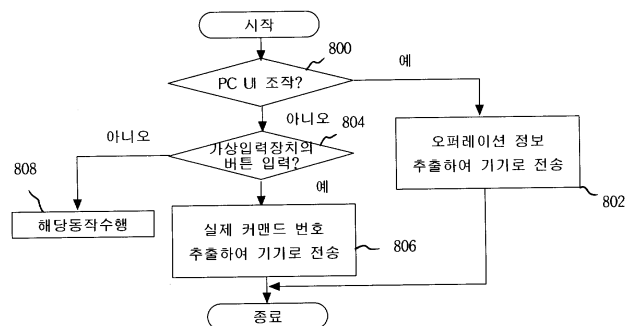
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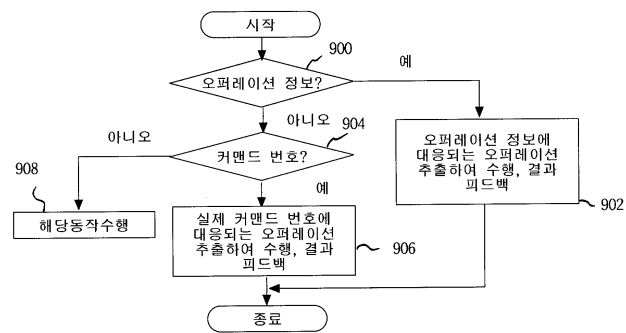
19



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(1) Simulated Input Device

Order	UI	Control Code
1	MENU	15
2	ENTER	44
3	UP	1
4	DOWN	2
5	LEFT	3
6	RIGHT	4
	:	
	:	

(2) Operation Command List

Order	UI	Control Code	Type
1	CONTRAST	10	1 (Gage)
2	BRIGHTNESS	11	1 (Gage)
3	COLOR	12	1 (Gage)
4	TINT	15	1 (Gage)
5	RESET	20	2 (Execution)
6	LANGUAGE	2	3 (Selection)
	:		
	:		