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(B1)

(45)  
(11)  
(24)

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2010 04 14

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(73)

HDN 5/445 (2006 01) HDN 3/20 (2006 01)

(21) 10-2004-7016937

- 92100 -

(22) ( ) 2003 04 21

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2008 04 21

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(85) 2004 10 21

(65) 10-2005-0007331

(43) 2005 01 17

(86) PCT/US2003/012180

(87) WO 2003/090455

46040, 112

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(56)

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(54)

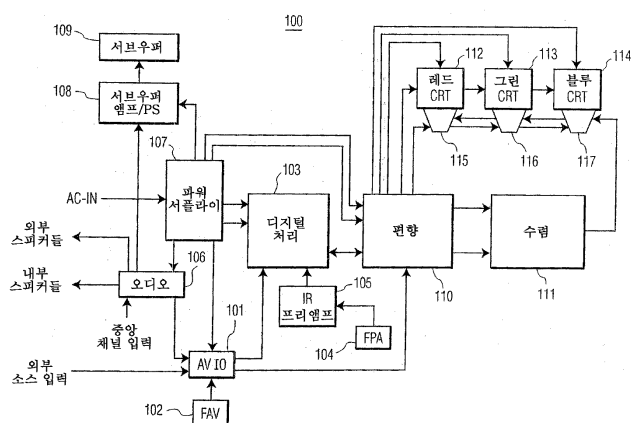
(57)

1

1

1

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2

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;

(screen burn)

,

:

(idle time)

,

;

(program viewing commands)

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4

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(on-screen menu)

2

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1

2

15

16

11

2

17

16

18

16

2

1

19

16

2

1

20

16

2

1

[0001] 2002 04 23 2002 04 22 60/374, 885  
60/374, 406

[0002] (screen burn) (prenature aging effects)

[0003] (CRT )  
(burn) " "  
CRT  
(burned-in)

[0004]

[0005]

[0006]

[0007]

[0008]

[0009]

[0014]

[0015]

[0016]

[0017]

(100) /  
 , AV IO (101) ( , , , ) /  
 (106)  
 , ( , 2H 2 14H Y, Pr, Pb ) (110)  
 , AV IO (101) (103)  
 . FAV (102) AV IO (101) /

[0018]

(103) , , (100)  
 (103)  
 , (103) / IC ,  
 , A/D , D/A , PIP  
 IC  
 -  
 (103)  
 RAM ROM ( )  
 (103) (100) /  
 -  
 " "

[0019]

FPA(104) IR , RF  
 , ,  
 , FRA(104)  
 (105) FRA(104)  
 (103)  
 (103)  
 (100)

[0020]

(106) -  
 (106)  
 , 1 , (106) (100)  
 . 1 (106)  
 / (108)  
 1 , (107) (AC-IN)  
 (100)  
 (107) AV IO (101), (103), (106),  
 / (108), (108) (110) /  
 (108) (106)  
 (109) / (108) (109)  
 , (109) / (108)

[0022]

(110) (100) , (110)  
 (115 117) , CRT (112 114)  
 (110) (103)  
 CRT (112 114)  
 , (110)  
 (103)  
 , (110) (111) CRT (112 114)

[0023]

(111) (100) , 1

, (111) (115 117) , CRT (112 114) ( ).

[0024] CRT (112 114) (110) (115 117) (110) , (111) CRT (112 114) .

[0025] 2 , (200) . 2 , 2 (100) . 2 .

[0026] (201) , (100) , (100) IR , FPA(104) IR (105) (103) .

[0027] (202) , (201) (100) (103) (100) (103) (100) (100) IR (105) .

[0028] (202) , (100) " " , (103) (110) (110) (100) , (110) CRT (112 114) (110) (110) .

[0029] burn) (prenature aging effects) (100) (screen) (100) (203) 50% .

[0030] , (100) / 50% (100) 75% 50% 37.5% ( , 75% 50%) .

[0031] , (202) (100) (204) .



(100)

· , (400)  
· , (418)  
(418) · ,  
· ,  
(400)  
· ,  
(414) (400) "  
" ,  
" " , (400)  
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[0043]

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[0044]

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" " "  
" (VCR ) , (DVD)  
· ,  
(PVR ) ,  
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[0045]

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[0010]

1 ·

[0011]

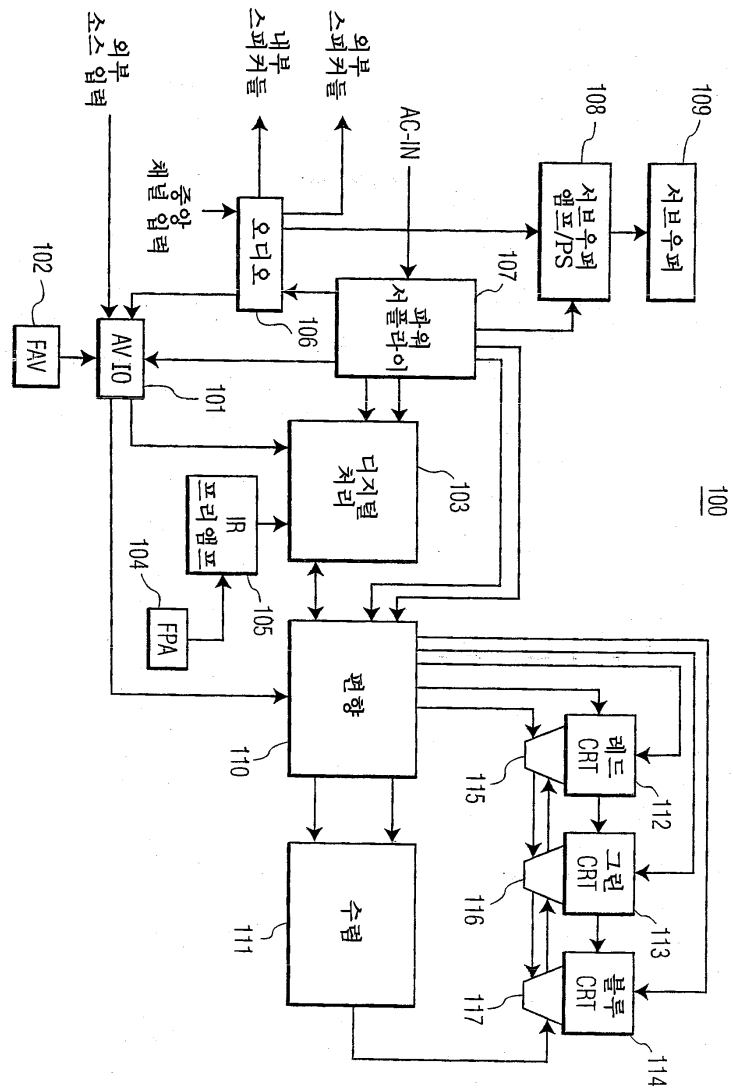
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[0012]

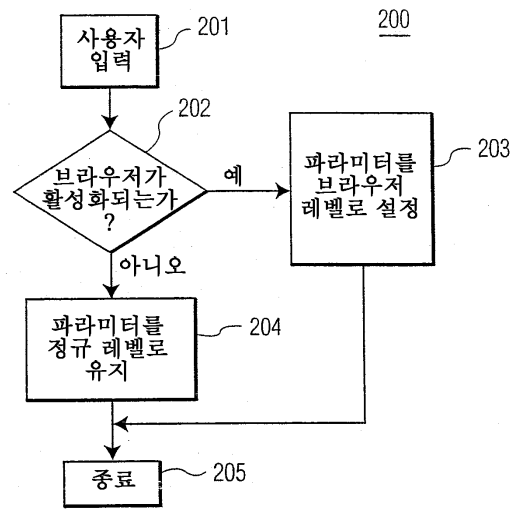
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[0013]

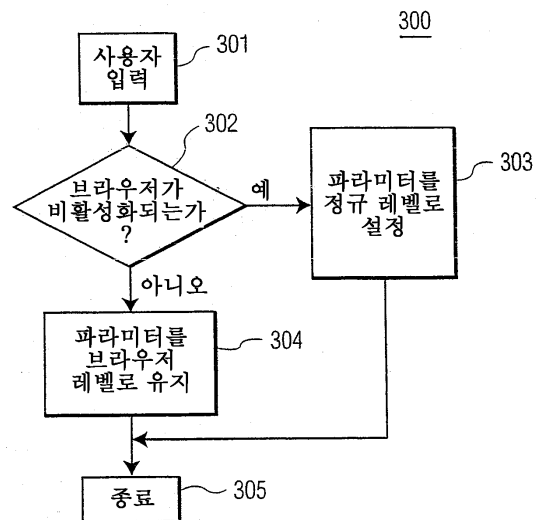
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