

(19)  
(12)

(KR)  
(A)

(51) 。 Int. Cl.<sup>7</sup>  
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(11)  
(43)

2003-0053734  
2003 07 02

(21) 10-2001-0083694  
(22) 2001 12 22

(71) 4 873-29 4

(72) 329-1 105 1501

4 834-11

3 가 608

3 505

206

(74)

:

(54)

IC가

IR

4

PLC,

1a 1b

2a X-10

2b 2a

3 ( HA : Home Automation)

4

5

401 : IC 403 :

405 : 407 :

409 : IR 411 :

413 : 415 :

417 : 510 : A

520 : A 530 : B

540 :

가

가



1a 1b

1a 1b 가 ' ' , '0' ' ' , '1' ' ,

'( : 10-2000-002198) ' '( : 10-1999-053820) ' '( : 10-2001-076335)

X-10

2a X-10 , 2b 2a

2a , X-10 'Start Code'가 2 , 'House Code'가 4 , 'Number Code' 'Function Code'가 5 , 'Start Code' 1110 , 1/2 가 L1 , 1 0 가 , L0 , 0 1 1 2b .

L1 L0

가 '1', '0' , ' 1(L1)' , ' 0(L0)' , 0 1 가 가 가

2b , 'Start Code' '1110', 'House Code' 'L0,L0,L0,L1', 'Number/Function Code' 'L0,L0 ,L0,L1,L1' .

3 ( HA : Home Automation)

가 (303), (300) 가 (304) (301), (302), (300) (305) 가 (306) (300) PSTN 가 (301, 302, 303, 304, 305, 306)

3 (300) 가 , 가 (306)가 가 가 (300) , 가 , 가

가 ARS

(306)가

, FM

3

가

(304)가

가

(303)

4

IC(401), PLC(Power Line Communication :

)

1),

(413),

(403)  
(415)

(417)

(405),

(407), IR

(409),

(41

(407)  
PLC

(405)

(403)

(405)

DC

IC(401)

403)

IC(401)  
가 220V

(

IC(401)가

IR

(409)

(411)

(413

)

IC(401)

(415)

(413) Rm

(417)

220V

IC(401)

5

5

A(510)  
B(530)

#2 가

#3 가

A(510)

A(520)  
A, B(520, 530)

#1 가

(540)

)

(540)

A(510)  
#1 가

#1

A(510)

A(520)

On

(540)

가

A(520)  
가

(411)

가 #1  
가

(540)  
A(520)

#1

A(520)

#1 가

#1

가

(540)  
B(530)  
A(510)

B(530)  
#3 가

#3 가

#3 가  
#3

가 ,  
가

PLC

가

가

가

가

(57)

1.

IC, PLC(Power Line Communication : ) , IR

IR

IC가

2.

DC

3.

IC가 IR

가

4.

1 3 ,  
가 가 ,

5.

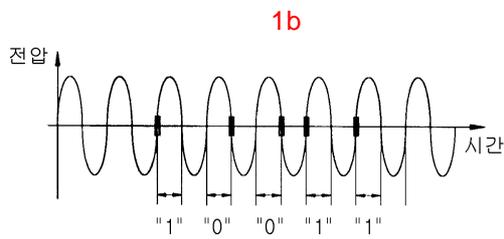
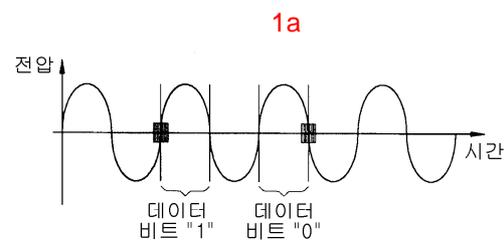
1 , IR , IC

6.

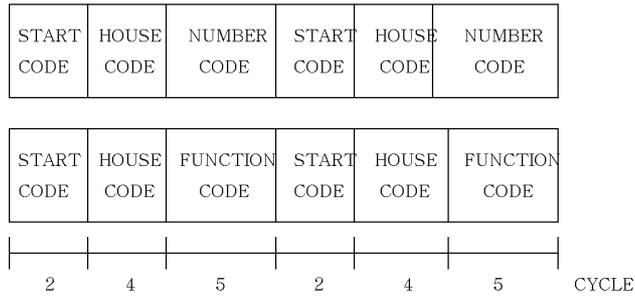
1 , IC

7.

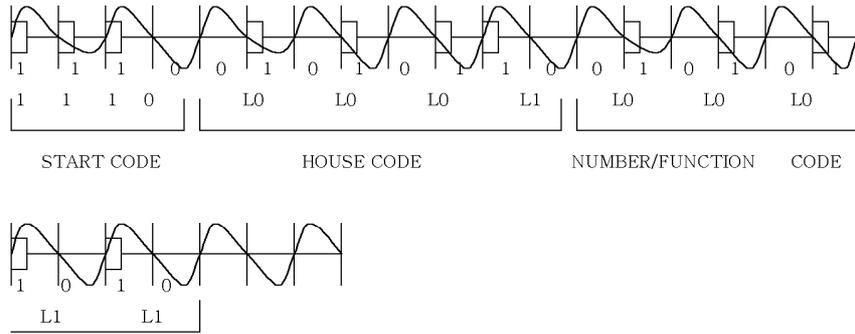
1 , / ,



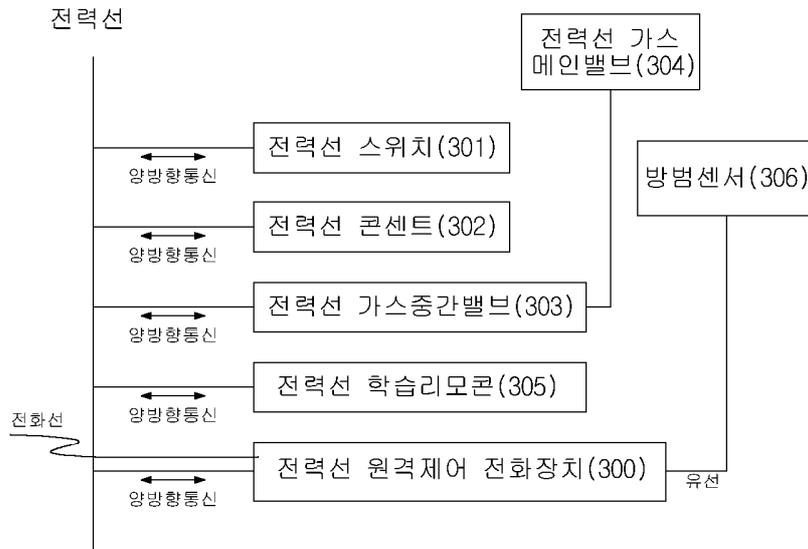
2a



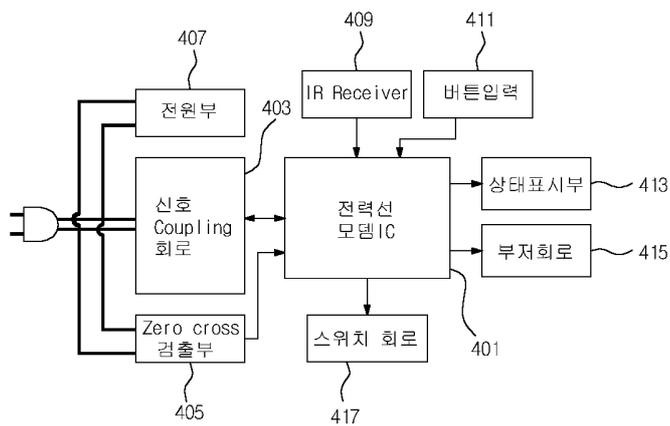
2b



3



4



5

