

(19)
(12)

(KR)
(A)

(51) 。 Int. Cl.⁷
H04B 3/54

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(43)

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2004 11 12

(21) 10-2003-0028585
(22) 2003 05 06

(71) 3 314

(72) 1 153-32 201

3748-2 8-503

293-19

(74)
:

(54)

가

가

3

(Power-line communication),

1

2

3

4 (a),(b)

5

*

*

31 :

32 :

33 :

34 :

가 TV 가 가

가

가

1 2

1

(12) (13) (111) (11) (112) (112a)
 (12) (14) (112) (14) (111a) (13)
 (14) (111) 가 (11) (111)
 (111) (11)

2 (21) (212) (212a)
 (22) (211) (211a)
 24) (23) (24) (13) (25) (23) (24)
 (22) (21)가 (23) (24)

가

가

, 60Hz

가

가 ;

;

FEC , FEC , OFDM

/ /

FEC , FEC , OFDM

/ /

(surge)
60Hz
DC, A

C

2

, 1

1

2

가

3 (31) , (31) 가 (33)
(32) (33) (33) , (32) , (33) (33)
(34) ,
(32) (321) , (321)
(323) , (322) , (322)
(324) , (324) (325) ,
33) (33) (325) (326) .
(34) (33) (341a) , (341a)
(341) , (341a)
(342) , (342) (343) , (343) (344)
, ,
, ,
가 가 (31) 가 ,
가 가 가
(32) 가 가 (33) ,
(32) 가 , 가 (33)
33) (321)가 (31) 가 , ,
(321) (322) ,
, VHF UHF (323) (324) 30MHz ,
(324) (325) ,
4 (A),(B) . 4 , (A) , (B) ,
(32) (325) , 4 (B)
, (32) (325) (46) (324) (,
) , (47) (47) FEC , FEC (,
OFDM , (47) (47) D/A (48) ,
(49) (50) .
3 , , (325)

(326) (33) , (326) (33)
 가 (325) .

(326) 5 , (33) (33) (surge)
 (51) , (51) (52) , 1 (52) 2 60Hz
 DC, AC (53) , (53) 2 (53) 1
 가 (54) .

(32) (326) (325)
 (33) , ,
 (32) .

(32) , (33)
 가 , (33) , (34) (341a) .

(34) (341a) (341)가 , (342)
 (343) (344)가 , (33)

(341) 가 (33) DC/AC

(342) (32) (326) 가 5 , (33)
 , ,

(342) (343)

(343) 4 (A) , (342)
 (41) , (43) , (42)
 , A/D (44) , OFDM , (44)
 (45) (344) . () .

가 ,

가 가 가 가 ,

(57)

1.

가 ;

;

2.

1 ,

FEC , FEC , OFDM ,

/

/

3.

1 ,

FEC , FEC , OFDM ,

/

/

4.

1 ,

(surge)

60Hz

1

2

DC, AC

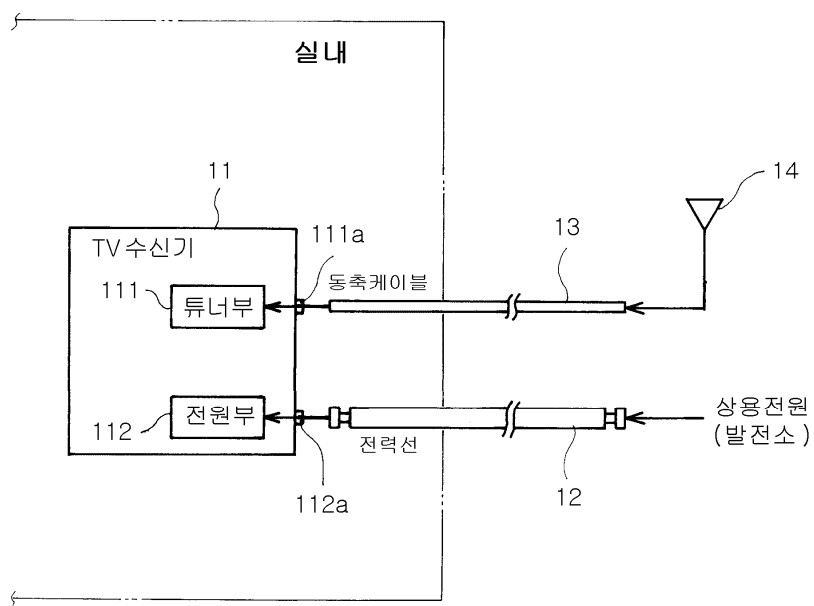
1

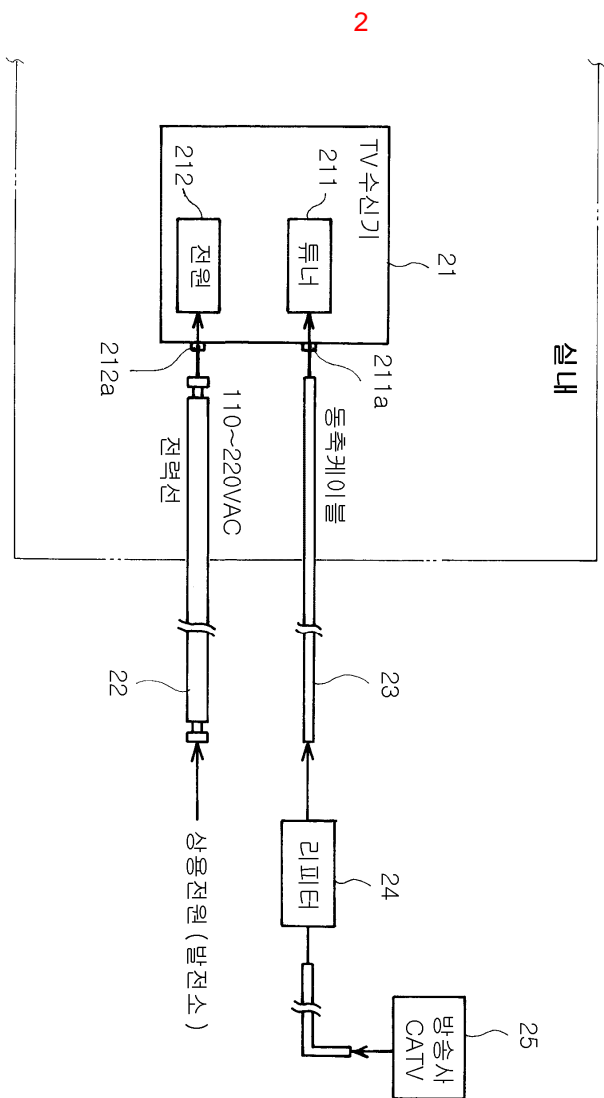
2

가

1

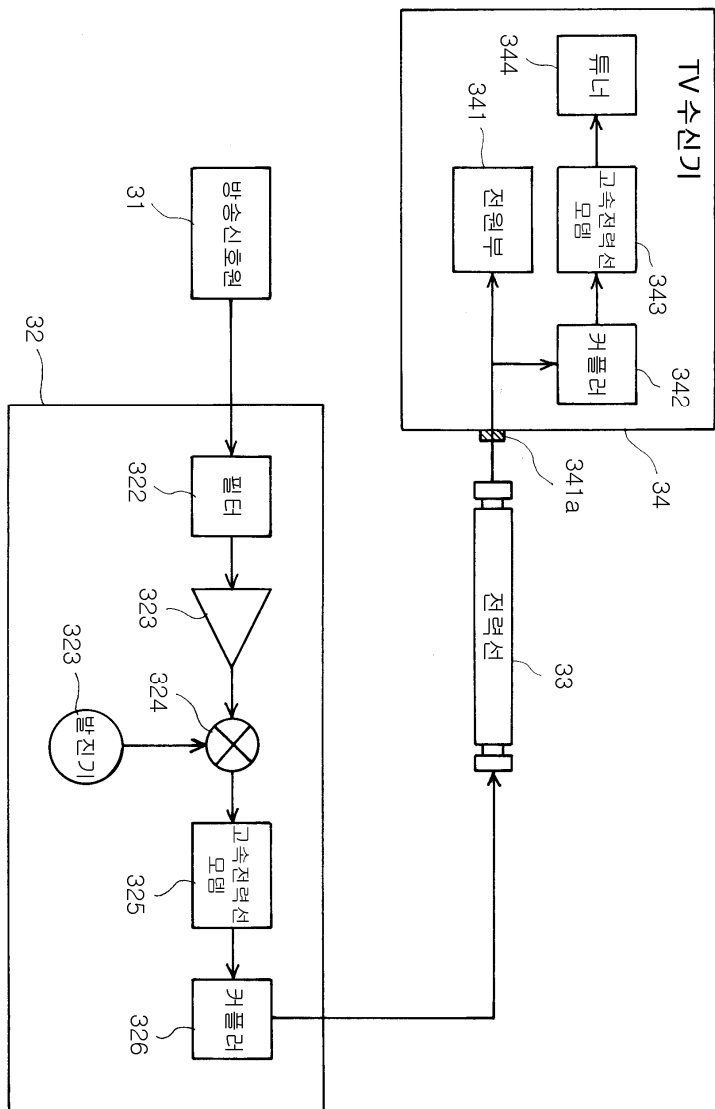
실외



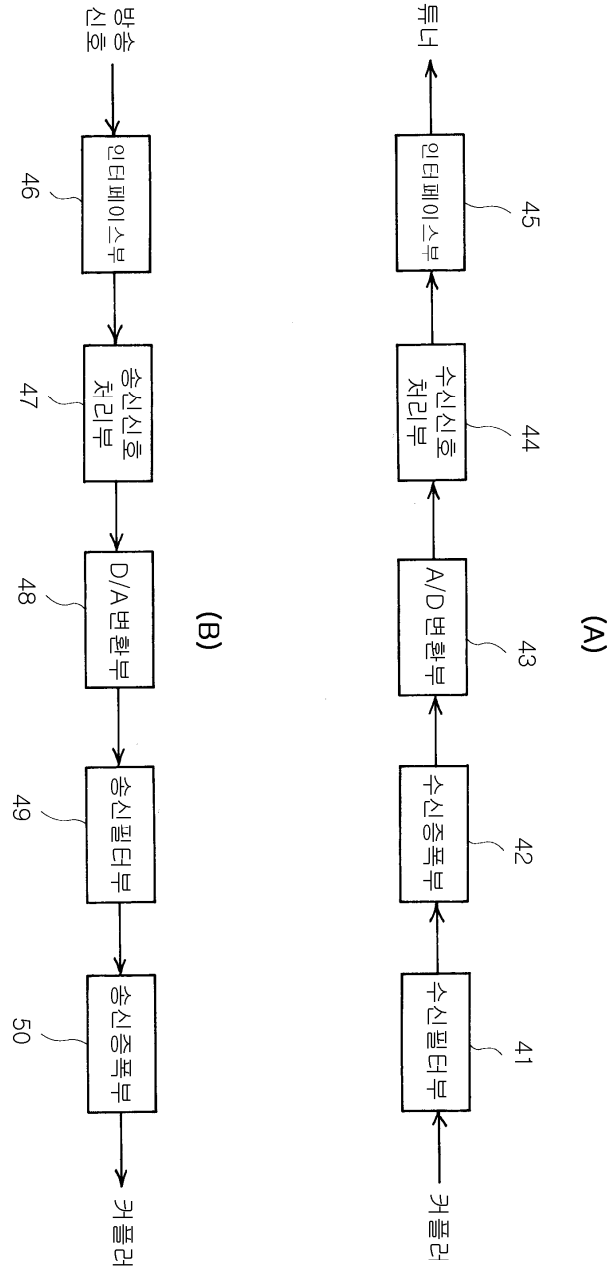


실외

3



4



5

