

6 가 ,
 7 가 ,
 8 가 ,
 9 가 .

1 : () 11 :
 2 : 21 :
 22 : 23 :
 211 : 212 :
 213 : 214 :
 215 : 216 :
 222 :

, CDMA(Code Division Multiple Access)

()

가 , 2001-223516

가 ,

가 ,

, 가 (weighting)

2 (21)

(11) 가 (1) 가 가

(211) (221) (211)

(211) (211) (211)

(211) (212) (212) (212)

212) (212) (213) (212)

(211), (212) (213) (11) (11)

(11) (211) (212) (1)

(11)가 (11) (214)

(2) (215) (215) (214)

(215) (215) (216)

(222)

(215)

3 4

3 (가) (11)

(: Delay1)

Delay1=N× =Lcos

(11) 가

(11) (가 : Delay1)

Delay1=(2×N+1)× /2=Lcos

(11)

, N (11) (), , L (11)

4 (11a) S1 (11b) S2

$$S_1 = \cos(\omega t) \tag{1}$$

$$S_2 = \cos\left(\omega t + 2\pi \frac{d}{\lambda} \sin \theta\right) \tag{2}$$

(216) 가 S , S1, S2 가 W1, W2 ,

$$S = w_1 \cos(\omega t) + w_2 \cos\left(\omega t + 2\pi \frac{d}{\lambda} \sin \theta\right) \tag{3}$$

, S1, S2 S , S W1, W2

$$S = A(t)e^{-j[\omega t + \varphi(t)]} \left(w_1 + w_2 e^{-j\left(2\pi \frac{d}{\lambda} \sin \theta\right)} \right) \tag{4}$$

, () S W1, W2 , () S 가 W1, W2 ,

, 가 ,

$$S = A(t)e^{-j[\omega t + \varphi(t)]} \left(w_1 + w_2 e^{-j\left(2\pi \frac{d}{\lambda} \sin \theta\right)} + \dots + w_n e^{-j\left(2\pi \frac{nd}{\lambda} \sin \theta\right)} \right) \tag{5}$$

, S W1 . . . Wn . , 가

5 (1) 가 .

5 , 가

,
 , (A11),
 , (),
 , 가
 , 가
 (11) 가 (A12). (1)
 가
 (7).
 ,
 , 가
 , 가
 (A13).
 , 가
 (A14),
 , 가
 , 가
 , 가
 6 가
 B RB, 가 A WB , RA, 가 WA , (1)
 $R_{total} = R_A \times W_A + R_B \times W_B$
 WA, WB 가
 , 800MHz 1900MHz WA, WB , 1900MHz 800MHz
 WA WB
 가 , WA , 가 , WB
 WB
 , RA, RB, WA, WB
 7 (가)
 , (5 A12) 가
 11). (S1)
 , 가 가 , 가 가 (S112).
 , 가

(S122).

(S123).

(S124).

9

1

가

2

가

가

3

가

4

()

5

1

6

1

7

1

6

가

(57)

1.

1 2.

가 (weighting)

1 3.

가

1 4.

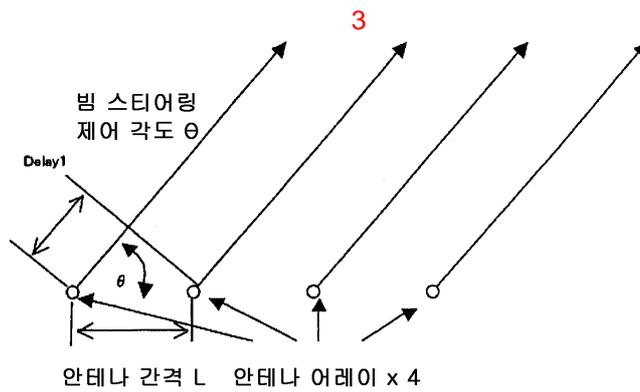
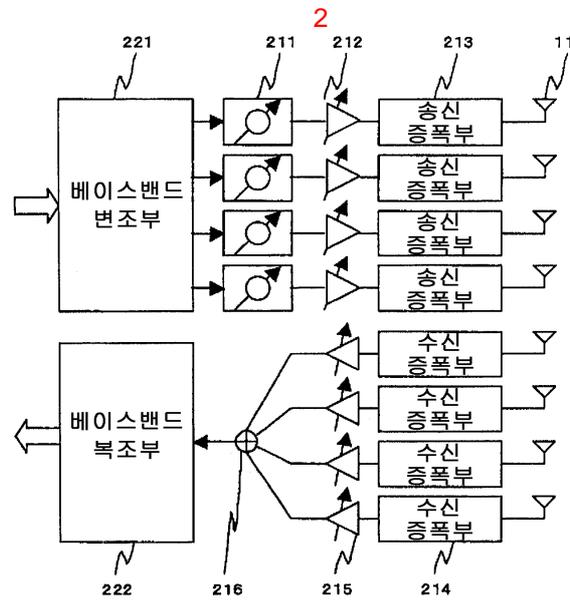
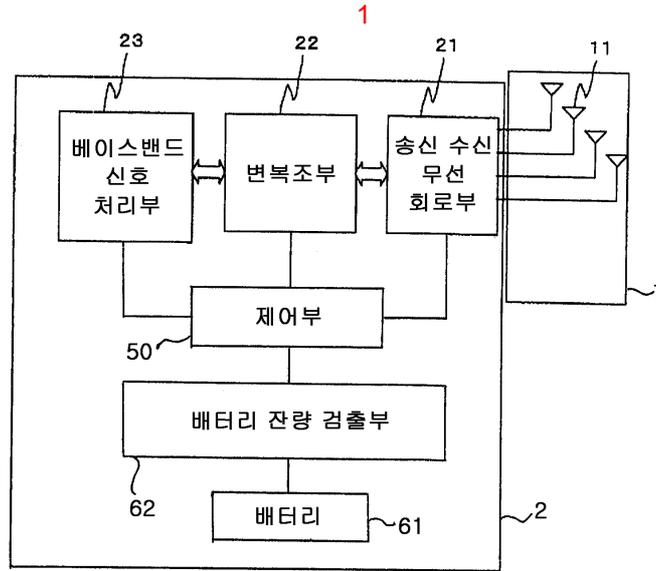
가

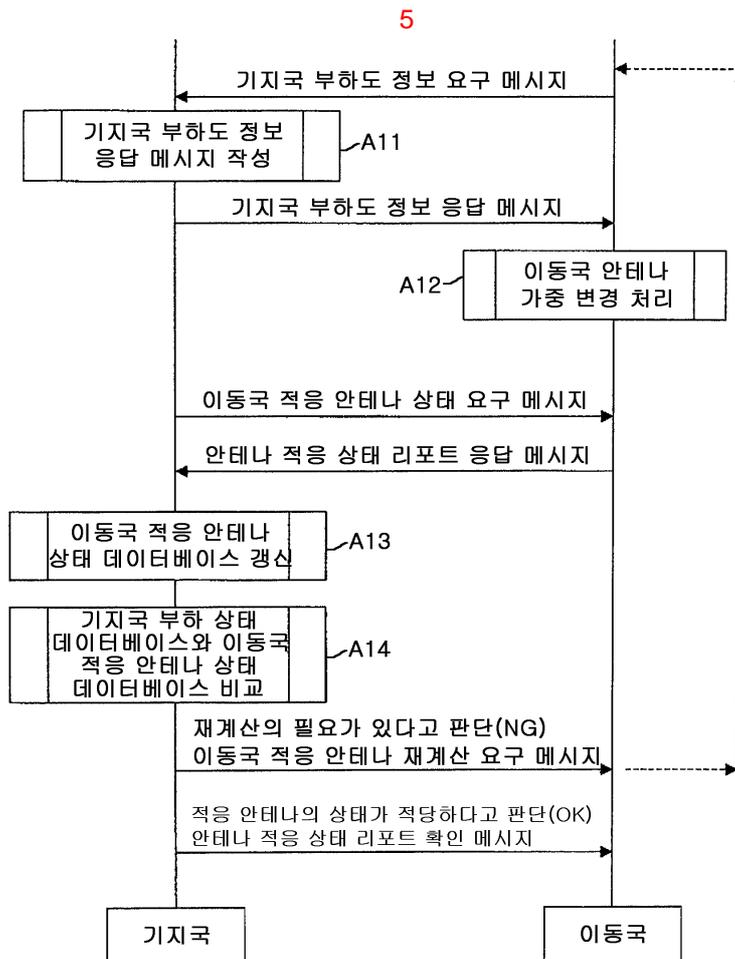
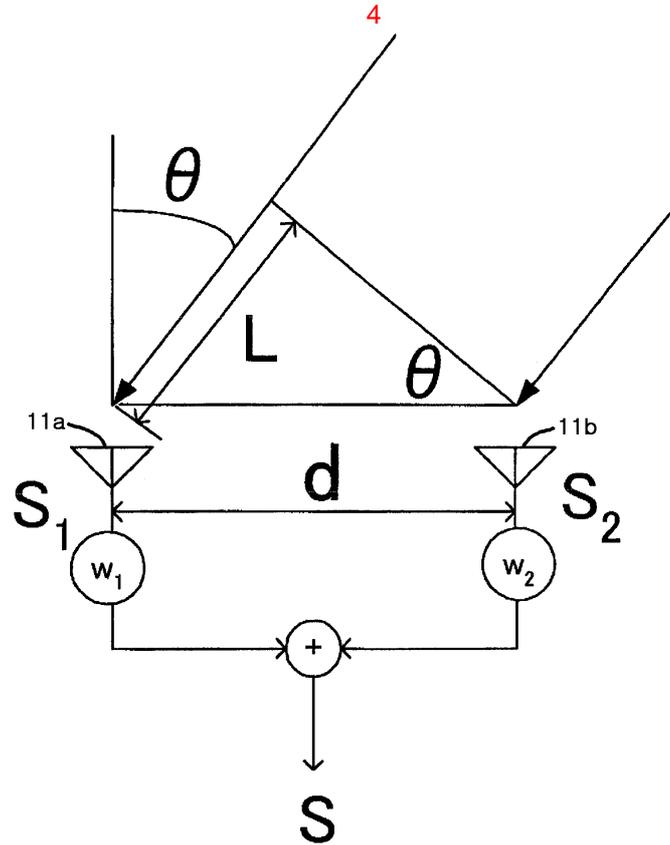
1 5.

1 6.

1 7.

가

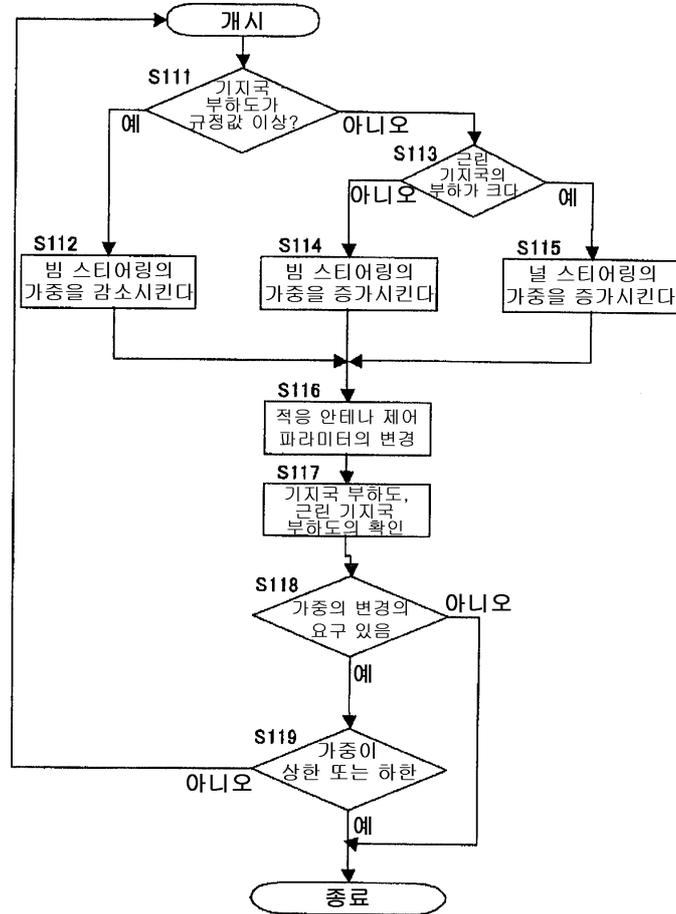




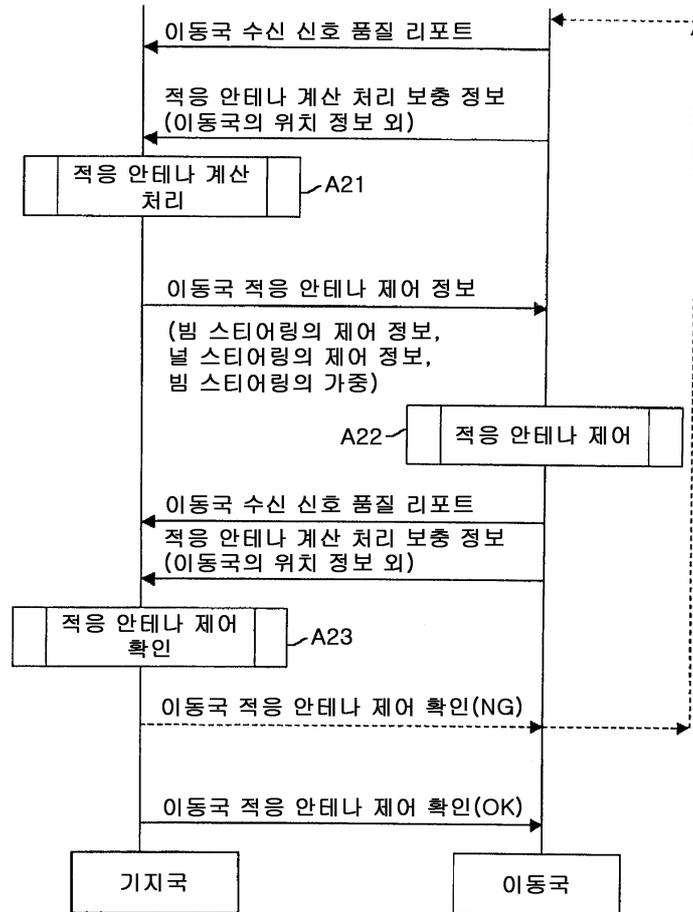
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운용 주파수대	도시	교외	차량	핸드오프
JAPAN 800MHz Band	(WA, WB)	(WA, WB)	(WA, WB)	(WA, WB)
USA 800MHz Band	(WA, WB)	(WA, WB)	(WA, WB)	(WA, WB)
USA 1900MHz Band	(WA, WB)	(WA, WB)	(WA, WB)	(WA, WB)
Korea 1900MHz	(WA, WB)	(WA, WB)	(WA, WB)	(WA, WB)

7



8



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