

(19)
(12)

(KR)
(B1)

(51) 。 Int. Cl.⁷
H04B 1/69

(45)
(11)
(24)

2004 11 09
10-0456455
2004 11 01

(21) 10-2002-0060989
(22) 2002 10 07

(65)
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10-2004-0031521
2004 04 13

(73) 가 161

(72) 가 236-1

123 1403

2 102 701

6 601

(74)
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(54)

(MC-CDMA)

, MC-CDMA

가

가

2

(MC-CDMA),

1
 2
 3
 4
 5

201 :		202 :
203 :	204 :	
206 :		209 :

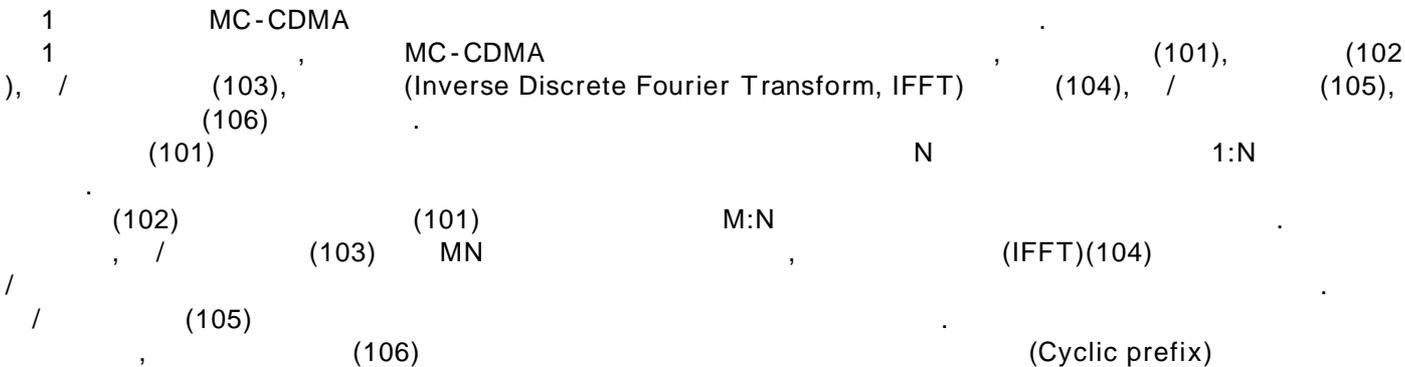
(Multi-carrier Code Division Multiple Access, MC-CDMA)

MC-CDMA

MC-CDMA

US5729570

가



MC-CDMA

가

CDMA

MC-
MC-CDMA

MC-CDMA

(201) 0 0 A , B

(202) N

(203) (202) M

(204) B

(205) MN (IFFT)(206)

(207) (Cyclic prefix) (

(209) B

(210) (205) / (207) , 2

(211) / (205) / (207) , 2

(212) MC-CDMA / (207) , 2

3 MC-CDMA 가 A B ,

3 가 가 (201) 가 0 1 , A B ,

(S301). N 1:N

(S302). (203) (202) M:N (S303). (204) (IFFT) ,

(205) A B 1:MN (S305).

(S306). (206)

(207) MN:1 (S307).

(208) B (Cyclic prefix) (209)

(S308), (S309), (T_g) (S310).

$$T_g = (k/M)T_s$$

T_s IFFT , M (Depth) , k

4 2 a b , a 4 A MC-CDMA 가

b B MC-CDMA 가

5 MC-CDMA

5 MC-CDMA (Eb/No)가

가 A, B

가 가 ,

가 가가

, MC-CDMA

가 .

(57)

1.

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2.

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3.

1 ,

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/ 1 ; 2

4.

1 ,

가 가

5.

1 ,

가 B A B ,

,

B ,

6.

1 ,

$$T_g = (k/M)T_s$$

IFFT (Depth)

7.

- a) ;
- b) ;
- c) ;
- d) ;
- e) ;
- f) ;

8.

- g) d)

9.

- a) , 가 가

10.

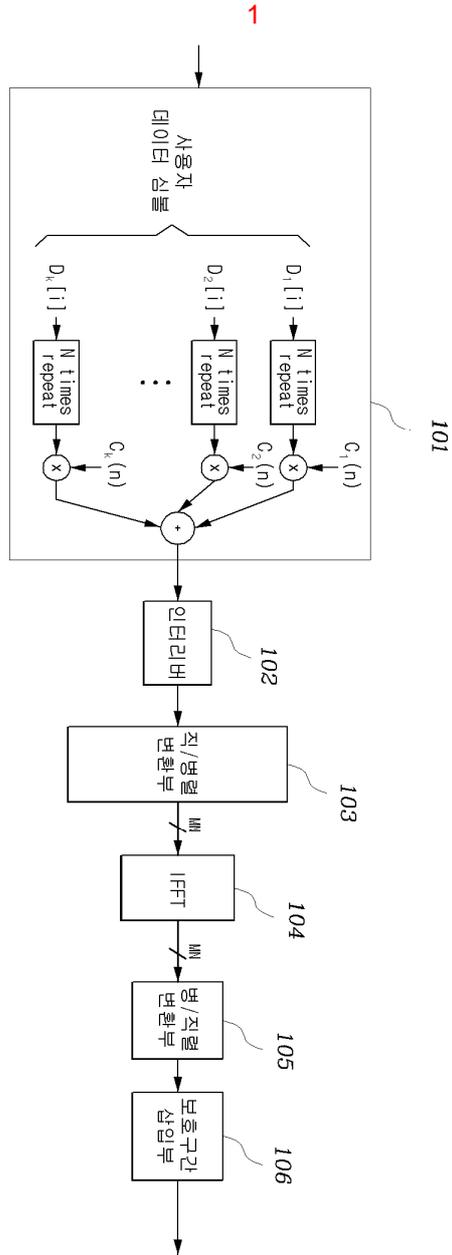
- a) A B ,
- f) B

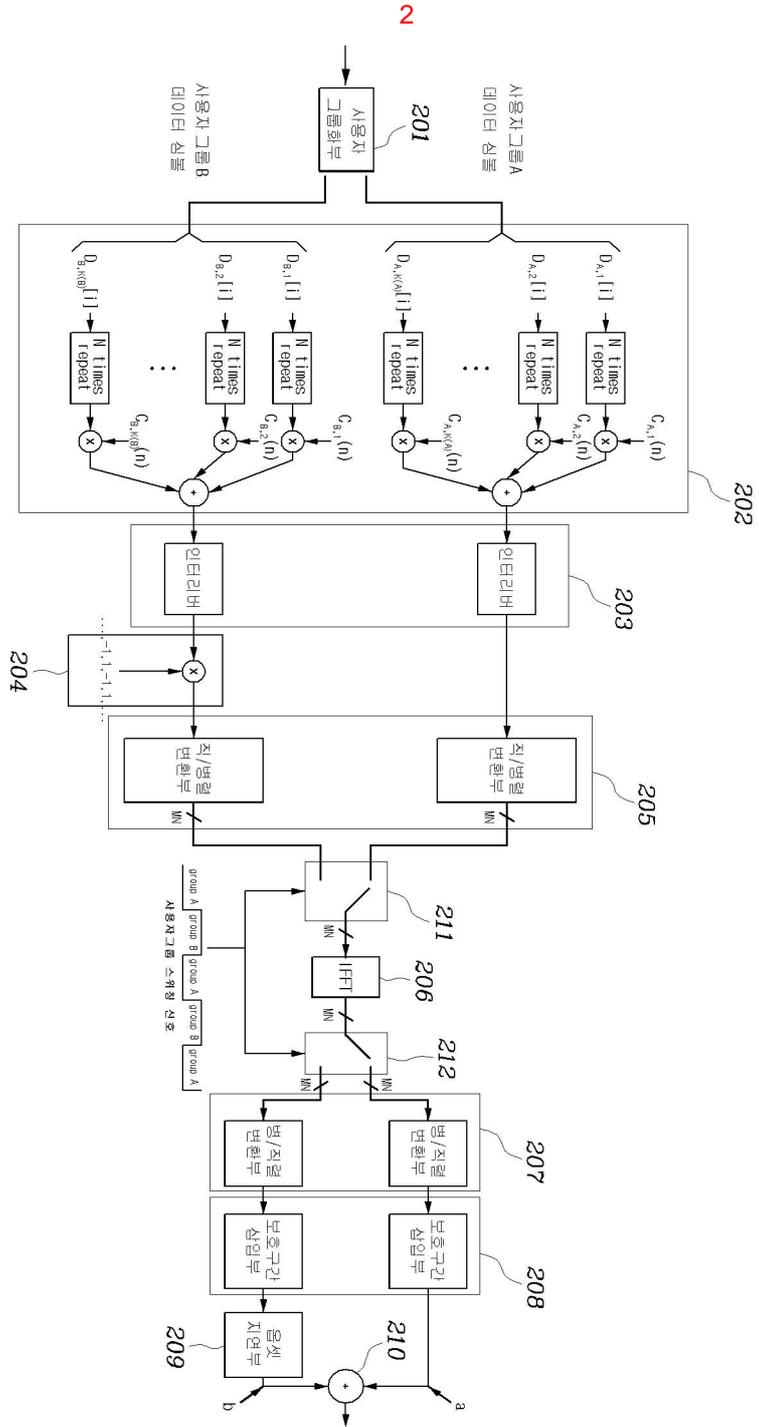
11.

- e) ,

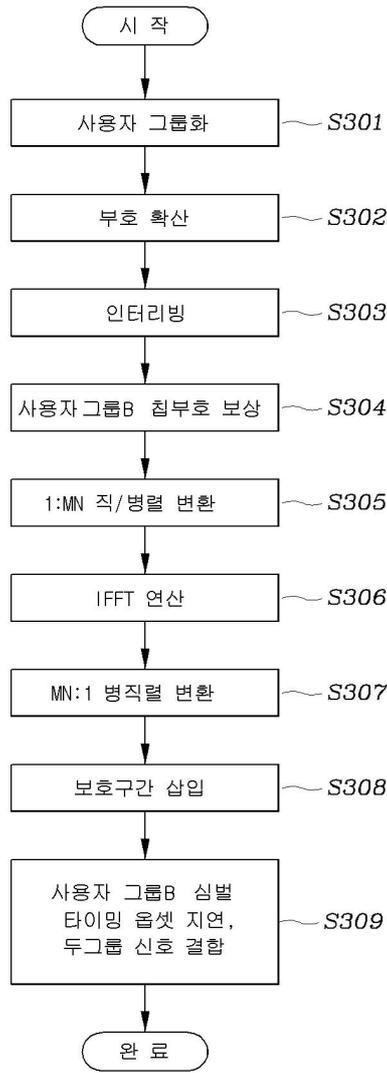
$$T_g = (k/M)T_s$$

IFFT (Depth)

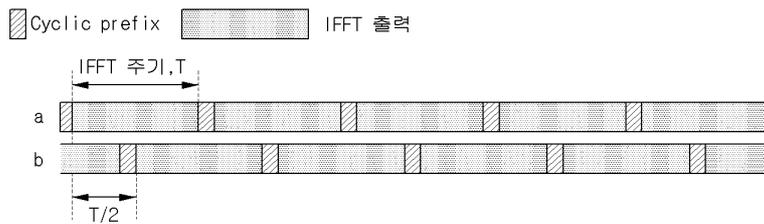




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