

(19) (KR)
(12) (A)

(51) 。 Int. Cl.⁷
H04B 7/26
H04Q 7/38

(11)
(43)

10-2004-0063957
2004 07 14

(21) 10-2004-7009491
(22) 2004 06 17

2004 06 17

(86) PCT/EP2001/015007

(87)

WO 2003/053087

(86) 2001 12 19

(87)

2003 06 26

(71) -02150 4

(72) -90240 3

-9000 가 9

-9260 13

-90650 3 2

(74)

:

(54)

가 (20) (C1 C3) (N1 N3)

(N1 N3)

(ID)

(WCDMA:Wideband Code Division Access)

3 WCDMA

(SSDT :site selection diversity transmit power control)가
(macro-diversity)

가

3

(3GPP)

B(Node B)

(a set of thresholds)

가

가

(UE:user equipment)

B

. SSDT

(primary)

(secondary)

(interference)

(ID)

(I

D)

non-primary cells)

(FBI:feedback information)

(ID)

SSDT

(ID)

(ID)

(ID)

(binary bit sequence)

(ID)

(CPICH : common pilot channel)

가

CPICH R

(RSCP:Received Signal Code Power)
SCP 가

(SIR : Signal-to-Interference Ratio)가

SSDT

FBI

(FBI S)

(ID)

('non-primary')

1. (ID) 가 (ID) ;

2. (Q_{th}) ;

3. 가 , ()N_{ID} /3
(lost) , N_{ID}

('primary')

()

, SSDT ,

가

(ID)

가

가

가

가

가

가

가

가

1

1

2

1

가

가
(ID)

가

1

2

가

가

가 2

가 1

가 1

2

WCADM

(DPDCH: Dedicated Physical Data Channel)

가

1

B

(,) , 1

2

B

2

1

2

3 1 SSDT

4 2 SSDT

1, UTRAN(Universal Mobile Telecommunications System Terrestrial Radio Access Network) 3 WCDMA

1 (10) UTRAN (RNS:radio network sub-system) RNS (RNC)(20)
 B (N1, N2, N3) B (N1, N3) (C1, C3) RNC(20) RNC
 UE(10) UE(10)
 B (N1, N3) RNC
 UTRAN (1)

SSDT RNC(20)가 B (N1, N3)
 (DPDCH) (DPCH)

2 UE(10) RNC(20) SSDT UE(10) D
 PDCH FBI (FBI) RNC(20) B

(N1, N3) 1 B(N1) RNC(20) FBI B(N1) UE(10) /
 (TRX) FBI (14)

FBI FBI B (N2, N3) RNC(20) B (N1, N3)
 B (24)

(22) UE(10)가

SSDT (26) , SSDT B (N1, N3)가 RNC(20)
 (22) , SSDT 가 RNC(20)

B (N1, N3) RNC(20)

3 1 SSDT

RNC(20) B (N1, N3) FBI (14)
 RNC(20)

(aid) MRC(Maximal Ratio Combining)

DT (26) ID UE B
 B (N1, N3) DPDCH DPCH RNC(20) SS

3 , FBI B (N1 N3) RNC(20) , SSDT B (N1 N3) .

4 2 SSDT 2 , B (N1 N3) , FBI (14) , RNC(20)가 , RNC (24) SSDT B (26) B가 , RNC

1 N3) 1 RNC(20) 2 B (N RNC(20) , RNC(20) (24) B RNC(20) SSDT B

$$z^i = \arg \max_{z \in \{1, \dots, b\}} \Omega^i(z) \quad (1)$$

, z^i i^{th} B , b

$$\Omega^i(z) = \sum_{d=1}^{ID_code_length} q^i[d] c_z[d] \quad (2)$$

, $q[d]$ d^{th} $c_z[d]$ z^{th} d^{th} 가 RNC(20)

$$z = \arg \max_{z \in \{1, \dots, b\}} \left(\sum_{i=1}^b \Omega^i(z) \right) \quad (3)$$

z , 가 B RNC(20) , (2)

3- SSDT , 1 B , 12.2kbit/s , 16 , (pedestrian) , 1.2 2.3 dB , SSDT SSDT

SSDT , 가 B (fading) 가

SSDT , 가

, B (N1 N3) RNC(20) 가 ,

가

. RNS

(20) B(N1 N3)
 , RNC(20) , B (N1 N3)

(57)

1.

(C1 C3)

(C1 C3)

(20)

(C1 C3)

2.

가

3.

가

(C1

C3)

(20)

4.

(C1 C3)

(C1 C3)

5.

WCDMA (DPCH: Dedicated Physical Channel)

(DPD

CH: Dedicated Physical Data Channel)

6.

7.

8.

$$z = \arg \max_{z \in \{1, \dots, b\}} \left(\sum_{i=1}^b \Omega^i(z) \right)$$

Ω^i, z , b
i .

9.

(C1 C3) 1 (N1 N3)

(10) , (10)
;

1 (N1 N3) 2 (20)

10.

10 , 1 B(N1 N3) , 2
(RNC)(20)

11.

10 , 1 B(N1 N3) , 2
(RNC)(20)

12.

10 12 , WCDMA

13.

(10) (12) ;

14.

14 , B(N1 N3)

15.

1 (N1 N3) (10)
(22) ;

(24) ;

(N1 N3)

(26)

16.

16 , (RNC)(20)



