

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

(51) . Int. Cl.7  
H04B 7/26

(11)  
(43)

10-2004-0040331  
2004 05 12

(21) 10-2003-0057959  
(22) 2003 08 21

(30) 10/289,048 2002 11 06 (US)

(71) 600 ( : 07974-0636)

(72) ,07928, , ,22

,07869, , , 71,44

,08817, , ,7-

(74)

(54)

EUDC	(DL-DPCH)	EUDC	DL-DPCH
EUDC		(DL-DPDCH)	가
, EUDC			
EUDC	DL-DPCH		

2  
3  
4

\* \* \*

22: 23:  
24: 30:  
32: 200: EUDC  
202: DL-DPDCH 204: DL-DPCCH

---



---

1  
 (24), PDA(personal digital assistant: 26), (28) (23) (22)  
 가 (20) (22) (30) (32)  
 , (22) (tower:38) (30) (32)  
 (23) (22) (union) (overlap)  
 /  
 , (forward link) (22) , TD  
 , (reverse link)  
 MA(time-division multiple access) CDMA(code-division multiple access)  
 가  
 TDMA , (radio spectrum) (time slots)  
 , TDMA ,  
 CDMA , (channelization codes)

(carrier frequencies)

가 가 , (resource) 가  
가 . 'EUDC(Enhanced Uplink Dedicated Channel)' EUDC가  
, EUDC (22) ( , , )

EUDC 가 ,  
on-orthogonality) (multipath effect) EUDC 가 ,

EUDC 가

EUDC

( )

(DL - DPCH: downlink dedicated physical channel)  
. EUDC

CH:downlink dedicated physical data channel),  
d physical control channel),

EUROPEAN UNION INSTITUTE FOR INTEGRATION AND COOPERATION IN THE FIELD OF JUSTICE AND HOME AFFAIRS

```

graph LR
    EUDC[EUDC] --> EUDC
    DLDPCH[DL-DPCH] --> DLDPCH
    EUDC --- DLDPCH
  
```

2 4 ,  
 (universal mobile telecommunic  
 ations system: UMTS) EUDC (200), DL - DPCH (DL - D  
 PCCH)(204) . DL - DPCH (DL - DPDCH)(202) (DL - D  
 , 'DL - DPCH' DL - DPDCH(202) DL - DPCCH(204)  
 . EUDC (23) DL - DPCH  
 EUDC (200)  
 , (200) (23) DL - DPCH EUDC DL - DPC  
 H EUDC (200) (200) (23) DL - DPCH (23)  
 , EUDC (200) EUDC (200)† DL - DPCH  
 (23)

1

(scrambling code plus) 가 (orthogonal variable spreading factor:  
OVSF) , 2 OVSF 가 DL-D  
PCH 가

DL-D

2 , EUDC EUDC (200) (200) DL-DPDCH(202) 가 EUD  
C (200) DL-DPDCH (time-multiplex) , EUDC EUDC (202) (202) (200) DL-DPCCH(204)  
(200) DL-DPDCH

(22) (23) EUDC (200) (23) (de-multiplex) (23) EUDC  
가

3 EUDC (200) DL-DPCH (200) (200) (DL-DPCCH)(204)  
2 , EUDC , DL-DPDCH(202) DL-DPCCH(204)

, EUDC DL-DPCCH(204) 가 EUDC (200) (200) DL-CPCCH(204) (200)  
DL-DPCCH(204)

( 3) 가 ( 3) 가 (23) , (23)  
가 DL-DPDCH(202), DL-DPCCH(204), EUDC (200)

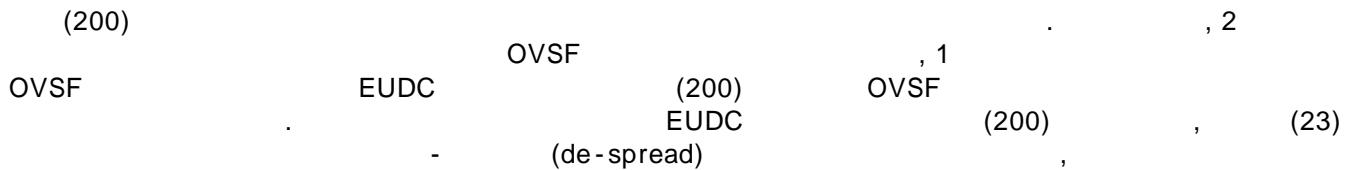
4 가 EUDC (200) DL-DPDCH(202) DL-DPCCH(204)  
가 (202) DL-DPCCH(204) , 4 DL-DPDCH  
EUDC (200) EUDC (200) , EUDC (200)  
DL-DPCH 가 DL-DPDCH(202) DL-DPCCH(204)  
(23) DL-DPCH EUDC (200)  
DL-DPDCH(202) DL-DPCCH(204)

EUDC (200) DL-DPCH , EUDC (200) (200) DL-DPC  
EUDC (204) DL-DPCH 가 , EUDC (200) DL-DPCCH(204) 가  
CH(204) , 가 EUDC (200) DL-DPCH 가

2 4 , DL-DPCH EUDC (200) EUDC (200) (200)  
DL-DPCH 가 DL-DPCH (23) , EUDC (200)  
(200) DL-DPCH , DL-DPCH (23) , EUDC (200)  
DL-DPCH , , DL-DPCH (23) , EUDC (200)  
DL-DPCH , , DL-DPCH (23) , EUDC (200)

가 DL-DPCH EUDC (200) , EUDC (200) (200)  
가 EUDC (200) EUDC (200) (200)  
EUDC

, 2 가 , (23) EUDC



가

가

가  
가

(57)

1.

(downlink dedicated control channel)

2.

(code-multiplex)

3.

(time-multiplex)

4.

3

5.

3

6.

가

7.

6

8.

6

9.

8

10.

8

