

(19)
(12)

(KR)
(B1)

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(11)
(24)

2004 03 30
10-0425253
2004 03 18

(21) 10-2001-0020875
(22) 2001 04 18

(65)
(43)

10-2002-0081521
2002 10 28

(73)

136-1

(72)

106-402

327-18

(74)

:

(54)

1.

2.

3.

22 12 가 10
1 ; 가
2 ; 3 가 가
가 가

4.

HDR

5

, HDR, , ,

1
 2 HDR
 3
 4
 5
 *
 10 : (UE) 20 : (RNS)
 30 :

(CDMA : Code Division Multiple Access)
 가 IMT-2000(International Mobile Telecommunicati
 on), UMTS(Universal Mobile Telecommunication Service) (HDR : High Data Rate)

1
 1 (W-CDMA)) (UE : User Equ
 ipment)() (10), (RNS : Radio Network Subsystem)() (20),
 (, GSM-MAP core network)(30)
 IS-2000 1X CDMA HDR
 HDR
 2 , HDR 1024, 2048, 3072, 4096
 (2a ~ 2d), 2, 3, 4
 MAC(Medium Access Contrpl) 1002 MAC '0'
 22 (Padding) 22
 16 (Frame Check Sequence) 6 (Tail)
 3 (Access Network) (301),
 (Access Terminal) (Decoding) (302,303),
 (304), 가 'NAK' (305), 가
 'ACK' 가 (306).

3
2
b ~ 4d).

12 가 10 (2) 2
(4

12 , [1] .

$$g(x) = x^{12} + x^{11} + x^{10} + x^9 + x^8 + x^4 + x + 1$$

5
(503) (Access Terminal) (Threshold) (504). (502), (Pr)
(Pr)가 (Threshold) , 2 (506), 가 'NAK'
(Decoding) (505), (507,501), 가
(Access Network) (508).
(Pr)가 (Threshold) (510),
(511), 가 (512) 가
(51
3,501). , 가 가 가
K '0' '1' 128 [1] 1 AC
3 4 32
(Access Network)가
[1] .

[1]

No	1	2	3	4
		'1'		'0'

) 0000 : 가
1101 : 1, 3, 4 가
(, , ,)
가 가 , 가
(Generator Polynomial) 가
가 가

(57)
1.

2.

3.

가 , 10 , 22 1 ; 12
 가 2 ;
 3 , 가
 가 가 ,

4.

3 ,
 , 12
 $g(x) = x^{12} + x^{11} + x^{10} + x^9 + x^8 + x^4 + x + 1$

5.

6.

1 ; , 가 , 2 ; 가
 , 가 2 ; 가
 12 가 10 , 22 3 ,

7.

6 , 가 , 4 ; 가
 , 4 (NAK) , 가
 5 (ACK)

8.

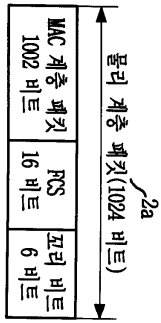
6 , 가 4 (ACK)
 2 ,

9.

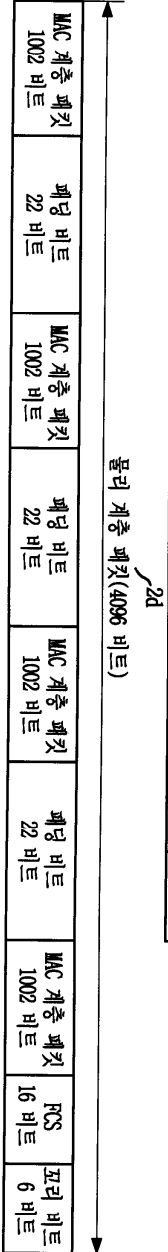
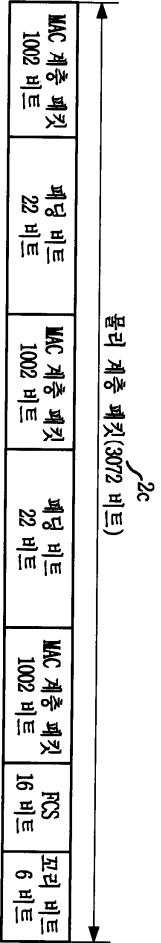
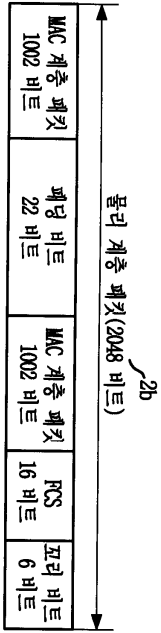
6 8 , 가 가 가 가
 3 가 , 가 가 가 가

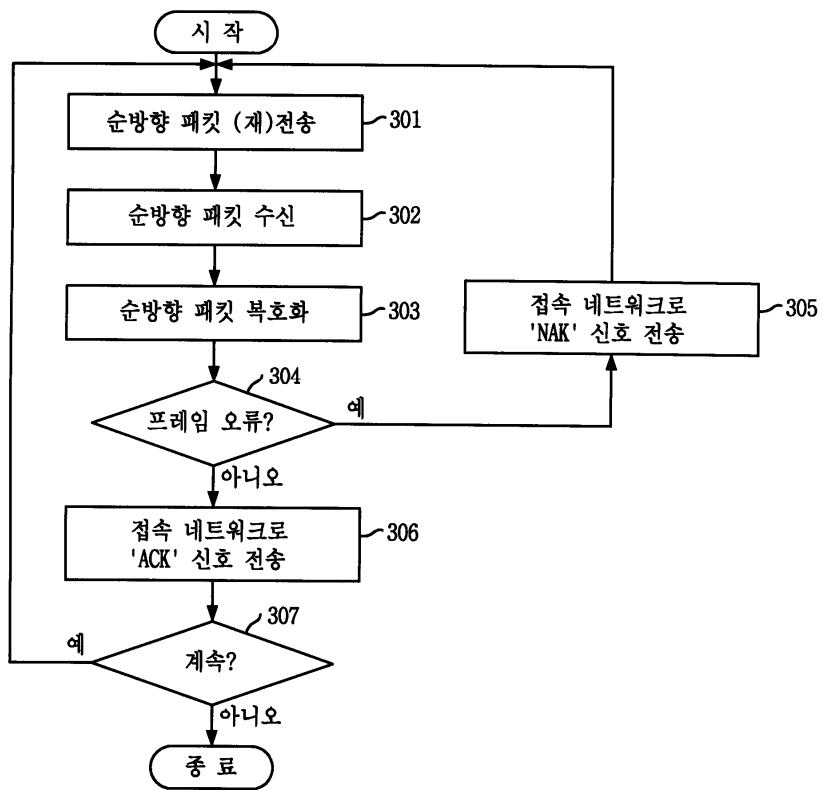
10.

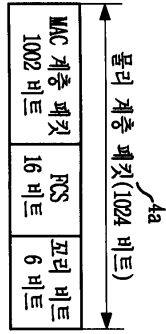
11.



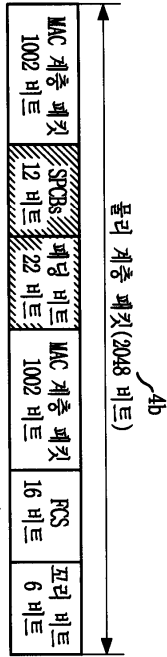
FCS : 프레임 체크 시퀀스(Frame Check Sequence)







RCS : 프레임 체크 시퀀스(Frame Check Sequence)



SPCBs : 부 패킷 오류 검사 비트(Sub Packet Check Bits)

