

(19)
(12)

(KR)
(A)

(51) 。 Int. Cl. 7
H04B 7/26

(11)
(43)

2002 - 0004645
2002 01 16

(21) 10 - 2000 - 0038717
(22) 2000 07 06

(71)

1 679

(72)

1109 - 4 612 1107

304 1004

(74)

:

(54) (H D R)

message) (HDR) (Buffer State Report Message : BSR M
, RLP .

e ID) RLP BSR . BSR ID(Message
(ReportReason) 가 , 가 ID
BSR 가 (Buffer
Occupancy) (AvgBufferOccupancy) (BufferOccupancyVariance),
(AvgDelay), (MaximumDelay), (AvgTxR
ate) (MaximumTxRate), (NumReduction) BSR
BSR

HDR , RLP , RLP

- 1 (HDR)
- 2 (HDR) (Payload)
- 3 (HDR)
- 4 (HDR)
- 5 (HDR)
- 6
- 7
- 8

(HDR) (High Data Rate)
, RLP

RLP(Radio Link Protocol)

,
ssage)

가 RLP

(BSR : Buffer State Report Me
BSR

BSR BSR

(HDR)

(HDR)

()

(HDR)

(HDR)

() , , MAC 가
 () 가 ()

ol) () HDR DRC(Data Rate Contr
 ()

가 n DRC () n+2
 (Walsh code) , () n DRC

1 (HDR) ()

(Access Network)(101) (Access Terminal)(102) (103),
 (104), FA (105), RA (106), (107)

(Pilot Channel)(103) , (204)
 , FA (Forward Activity Channel)(105)

, RA (Reverse Activity Channel)(106) (Congestion)
 , (Reverse Power Control Channel : RPC)(107)

(HDR) (slot) (time division mul
 tiplexing) , QPSK, 8PSK, 16QAM 38.4kbps,
 76.8kbps, ..., 2457.6kbps () ,
 4.8kbps 153.6kbps

2 6가 가

HDR Q 가 I DRC RRI
 가

DRC(Data Rate Control) , () ()
 , ()가 () () , DRC

RRI(Reverse Rate Indication) () ,

(HDR) ()

2 6가

가

3

(Reverse Rate Limit Message)

가

가

가

가

(HDR)

(Reverse Rate Limit) , RAB(Reverse Activity Bit), RPV(Rate Persistence Vectors)

3

(Field)

(Length)

ID 8

'0x01'

(RateLimitIncluded)

(RateLimit)

'1'

(RateLimit)

가

'0x0'

4.8kbps, '0x1'

9.6kbps, '0x2'

19.2kbps, '0x3'

38.4kbps, '0x4'

76.8kbps

s, '0x5'

153.6kbps 가

(Reserved)

가 가

(Variable)

가

가

가

RAB RA
0' '1'

600/RABLength bps

, '1'

. RAB

, '0'

(Active Set)

RAB

RAB=1

가

RPV

(Persistence Vector)

가

가

가

(element)

RAB

4

RAB

RAB=1

RAB=0
1/2

2

(RateLimit)

(RateLimit)

(HDR)

(QoS:Quality of Service)

(RAB, RateLimit, Persistence Vectors)가

(HDR)

가

QoS

가

가

가

가

RLP

RLP

(HDR)

RLP

RLP

(HDR)

RLP

BSR

RLP

RLP

가

(HDR)

HDR

Link Protocol)

(e).

가

, (f).

가

(BSR)가;

, (c).

, (g).

(a). ID, (b).

, (d).

RLP(Radio

, (h).

, (i). , (j).

, BSR 가 ID 가

BSR , BSR , (c). RLP , BSR , (d). 가; (a). ID, (b). BSR (HDR)

RLP

R) (HDR) BSR BSR RLP (HD , BSR BSR

, BSR 가 BSR 가

, SR BSR (a). ID , (b). 가 B

BSR BSR , BSR BSR

5 RLP (501) (502) BSR (503) RLP (501) (502) (502)가

BSR (502) (503) RLP (501) BSR BSR BSR (502)가 BSR

BSR 6 , BSR 7

BSR BSR 가 ,

가 , 가

6 (Upper Limit) BSR (Lower Limit) BSR

(T1,T2) , (T1,T2) BSR

가 , 가 BSR

(T3) (T3) BSR

가 . (T4) (T4) BSR

SR 가 () 가 B

(Dormant Time : Ts) 가

(T3) BSR 가 (Ts)

(Ts) BSR 가

(Ts)

가 BSR 가 (Ts) BSR

가 BSR

7 BSR

ID(Message ID) '0x02' , BSR 가

(Report Reason) BSR 가 , '0x0' , '0x1'

, '0x2'

가 ('0x0')

ID (Report Reason = '0x1' '0x2')

	가		가	BSR	
	(BufferOccupancyVariance),	(BufferOccupancy),	(AvgDelay),	(AvgBufferOccupancy),	(MaximumDelay),
	(AvgTxRate),			(MaximumTxRate),	
	(NumReduction)				
	BSR 가				BSR
	(ReportInterval)				
	BSR		()		
	BSR			가	
		BSR			
		BSR			
BSR			BSR		가
	가				
7	ID	8		4	
			22		10
16					
	BSR			10	(Reserved)
	가	BSR	6	가 BSR	(ReportInterval),
				(Ts)	
		BSR			
	BSR			BSR	RLP
RLP				(Ts)	
8	BSR				
	ID(MessageID)	BSR		8	
BSR	(ReportInterval)	가		BSR	가
	16				
	(UpperLimit)			BSR	
22		RLP			
	BSR	(ID)		

22 (LowerLimit) BSR RLP

I) BSR BSR (ReportInterva BSR BSR

SR (Dormant Time) BSR 가 (Ts) BSR (6 Ts) 16 , B 가 가 BSR

BSR (Reserved)

8 BSR ID BSR 7 BSR

BSR BSR BSR MAC (Medium Access Control Protocol) BSR

(HDR)

(57)

1.

(HDR) P(Radio Link Protocol) (BSR)가; (a). ID, (b). 가 , (c). , (d). , (e). , (f). , (g). , (h). , (i). , (j). (HDR)

2.

1 BSR 가 ID 가 (HDR)

3.

BSR R 가 , (c). RLP , BSR (HDR) BSR 가; (a). ID, (b). BSR , BS

4.

3 , RLP (HDR)

5.

(HDR) RLP BSR BSR (HDR) BSR BSR

6.

5 , BSR 가 (HDR)

7.

5 , BSR 가 (HDR)

8.

5 , BSR 가 (a). ID, (b). BSR , (c). RLP , (d). BSR (HDR)

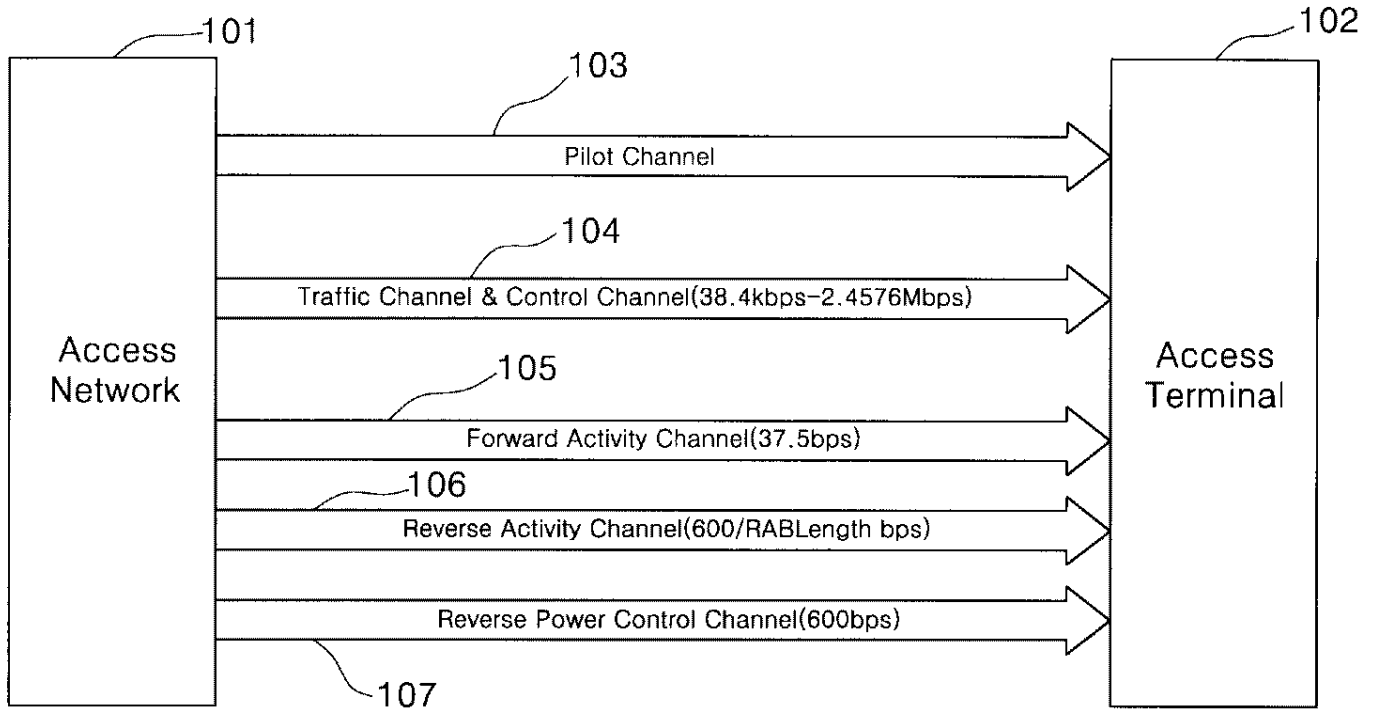
9.

5 8 , BSR 가 (a). ID, (b). , (c). , (d). , (e). , (f). , (g). , (h). , (i). (HDR) , (j).

10.

9 ID , (b). 가 (HDR) 2 BSR BSR (a).

1



2

전송속도(kbps)	최대 페이로드(bits)
Null	0
4.8	232
9.6	488
19.2	1000
38.4	2024
76.8	4072
153.6	8168

3

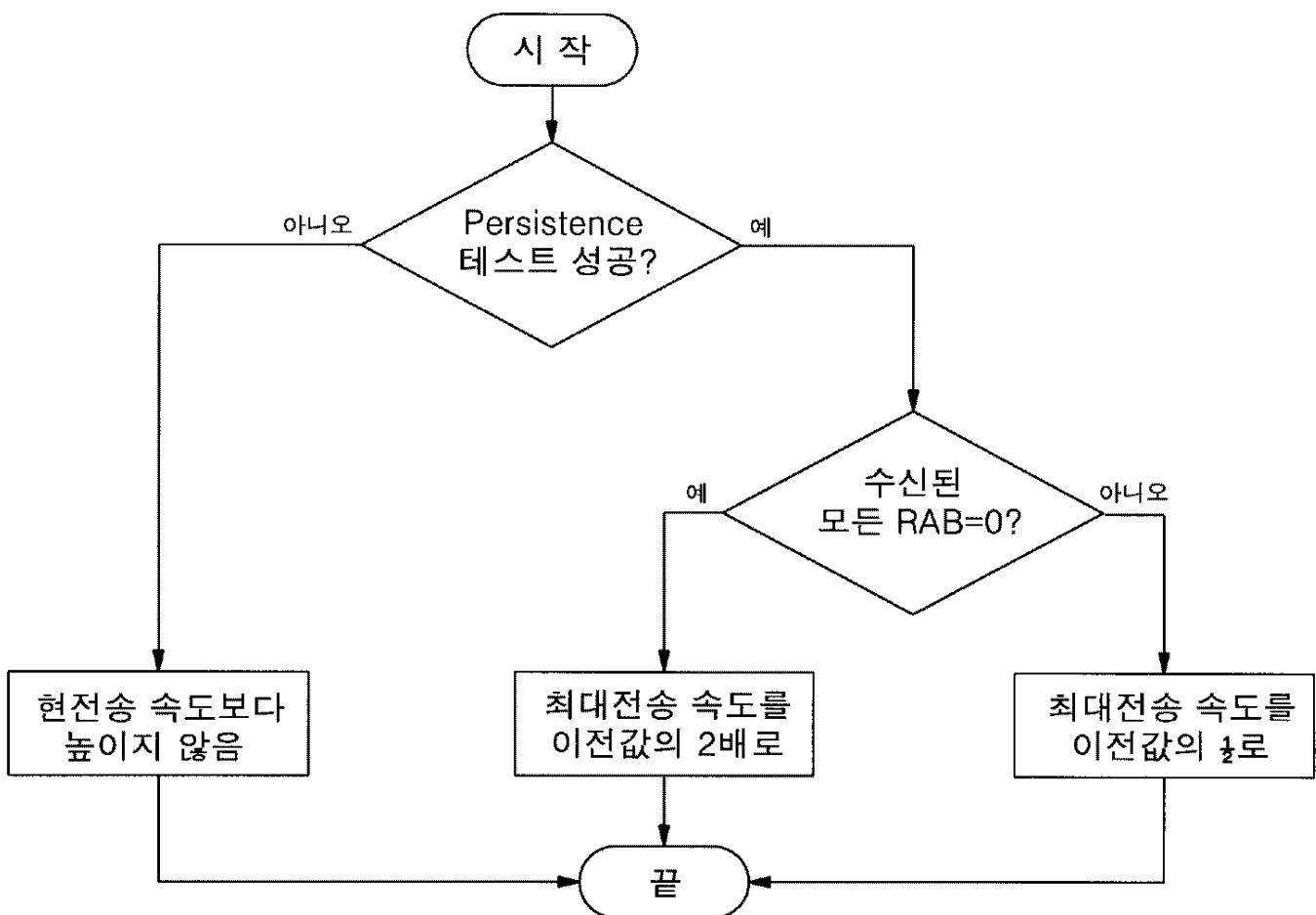
필드(Field)	길이(Length)(bits)
MessageID	8

29 occurrences of the following two fields

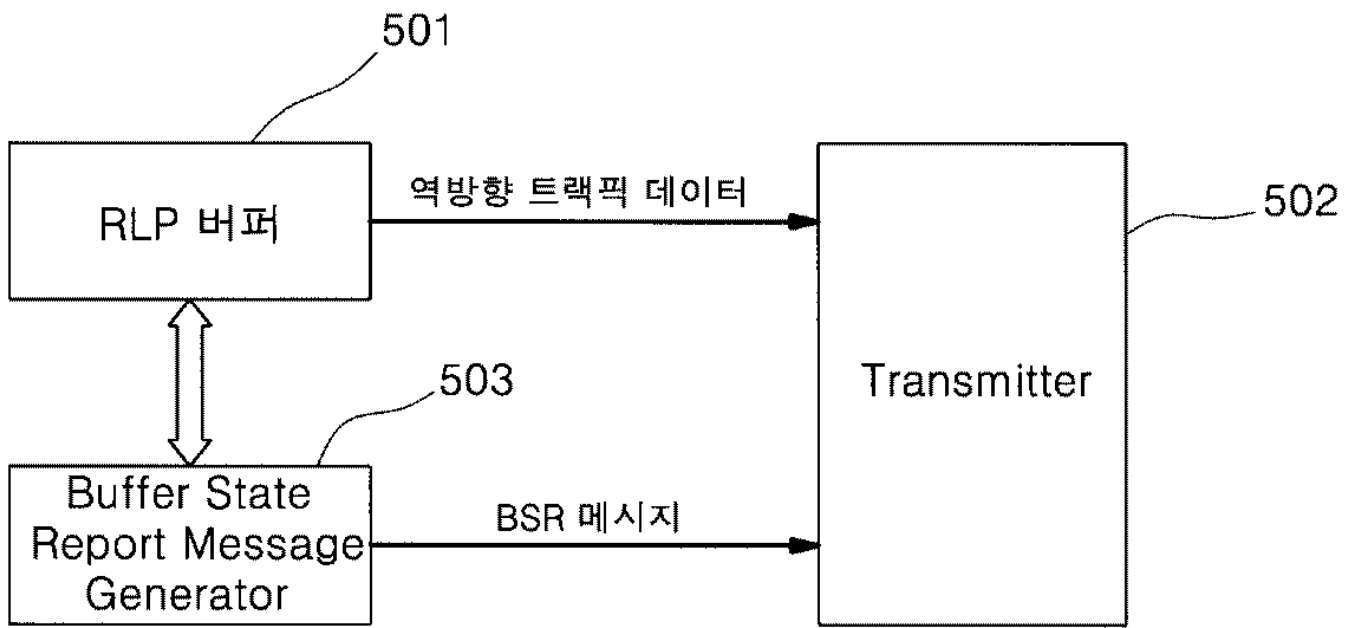
Rate Limit Included	1
Rate Limit	0 or 4

Reserved	Variable
----------	----------

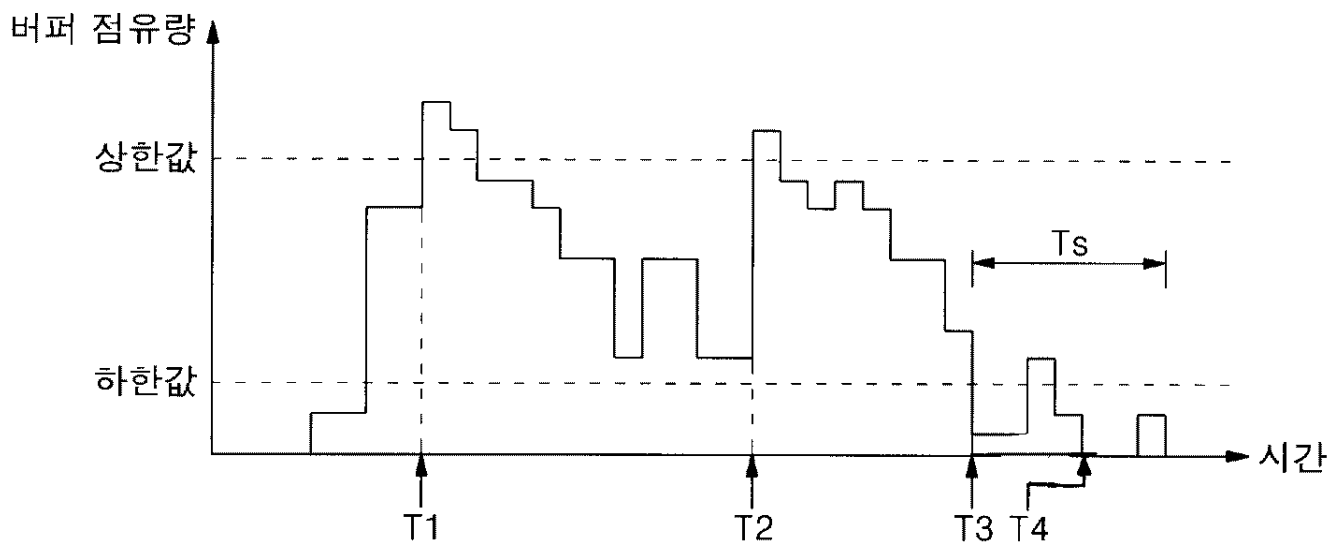
4



5



6



7

필드(Field)	길이(Length)(bits)
MessageID	8
Report Reason	4

If Report Reason='0x0', the following fields shall be

Buffer Occupancy	22
Avg Buffer Occupancy	22
Buffer Occupancy Variance	10
Avg Delay	16
Maximum Delay	16
Avg Tx Rate	16
Maximum Tx Rate	16
Num Reduction	10
Reserved	

필드(Field)	길이(Length)(bits)
MessageID	8
Report Interval	16
Upper Limit	22
Lower Limit	22
Dormant Time	16
Reserved	Variable