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(12) (B1)

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H04B 7/26		(11)	10-0384433
		(24)	2003 05 06

(21)	10-2000-7015022	(65)	2001-0072653
(22)	2000 12 29	(43)	2001 07 31
	2000 12 29		
(86)	PCT/US1999/08348	(87)	WO 2000/01105
(86)	1999 04 16	(87)	2000 01 06

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(30)	09/107,890	1998 06 30	(US)
(73)			1303
(72)			817
	, 60565	1816	
	, 60013	1002	
	, 60007	758	
	, 60089	2241	
(74)			

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(123)			(123) (102) 1 , 2
	, .		
	(310)	(123)	

(123)

(310)

1

(CDMA)

(CDMA)

, CDMA ,

TIA/EIA/IS-95-B(Telecommunications Industry Association/Electronic
Industry Association Standard 95-B) "

가 (Mobile Station-Base Station Compatibility Standard for Dual-Mode Wideband Spread Spectrum
Cellular Systems)"
EIA/TIA
2001 Pennsylvania Ave. NW Washington DC 20006

가

가

(ERP; effective radiated power)

(wide area)

ERP가

가

가

hot)"

가

" (

가

가

가

ERP

가

가
가

(resulting poor frame error rate)

가

가

가

1
2
3
4

5

frame error rate)	(Eb)	(No)	(FER; f
A/IS-95B(Electronic Industry Association/Telecommunications Industry Association Interim Standard 95)			TIA/EI
ard)	CDMA	1%	(FER)
Eb/No	TIA/EIA/IS-98-A(Electronic Industry Association/Telecommunications In		
dustry Association Interim Standard 98A)			
"			
(Recommended Minimum Performance Standards for Dual-Mode Wideband Spread Spectrum C			
ellular Mobile Stations"			
tries)			
Eb/No	1%	(channel conditions)	(mobile location geome
1%		(FER)	
(^ lor)			
CDMA	(W)	Eb/No	(Ec),
(R)			(lor)

$$E_b / N_o = (E_c / I_{ot}) \cdot (\hat{I}_{or} / I_{oc}) \cdot (W / R) \quad ^1$$

, Ec lor

$$E_c/I_{or} = \left(\frac{G_{\text{ff}}^2}{G_{\text{total}}^2} \right) = \left(\frac{G_{\text{ff}}^2}{G_{\text{pilot}}^2 + G_{\text{page}}^2 + G_{\text{sync}}^2 + \sum_{k=1}^n G_{\text{link}}^2 p_k} \right)$$

$$P_{fli} = \left(\frac{G_{fli}^2}{G_{total}^2} \right) P_{total} = E_c R_c = E_c W \quad P_{total} = I_{or} W$$

(540)가 1 (560), (560)
 540)가 2 (560), (560) 가

Ec/Io

(propriety method)

, IS-95B
(redirection)

)

(57)

1.

(attuning)

; 1 2

2.

1 , 1

3.

1 , 2 1

4.

1 , 2 1

5.

1 , 2 가

6.

1 ,

7.

1 , (conditions)

8.

7 , 2 6

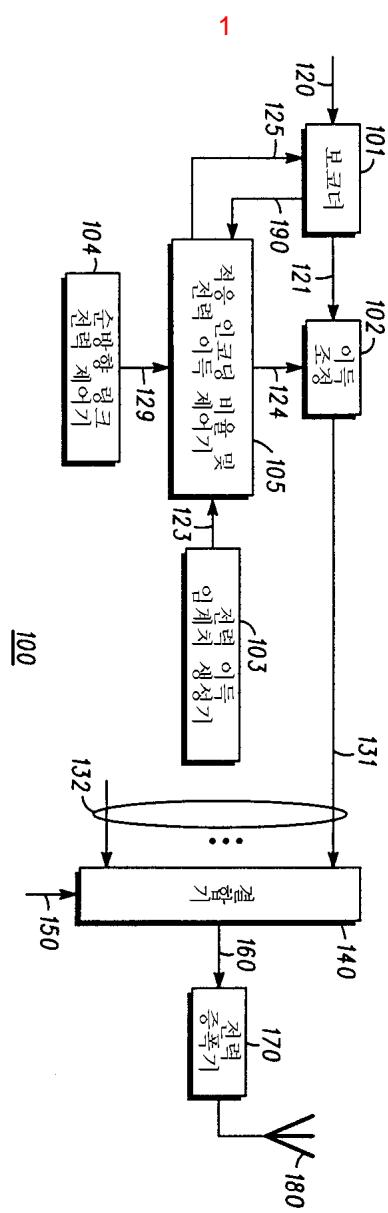
9.

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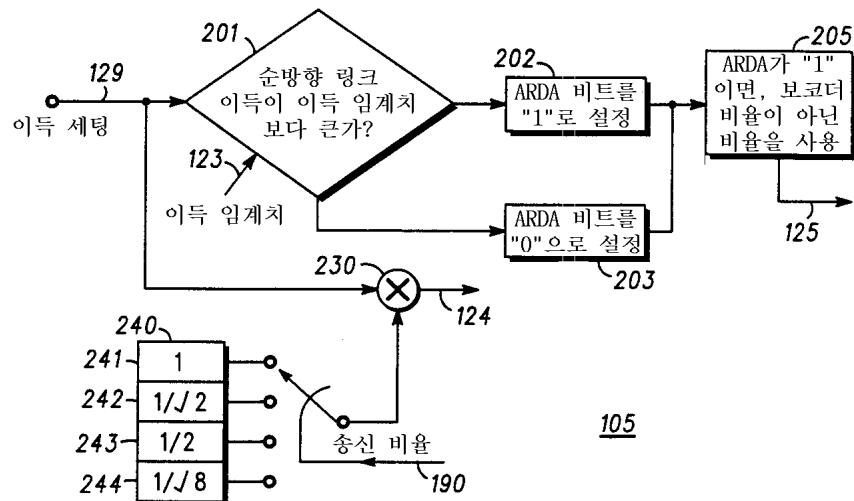
10.

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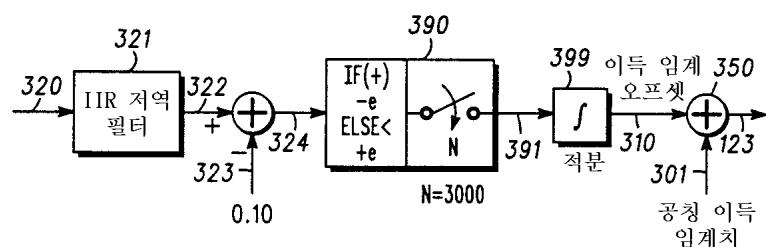
2



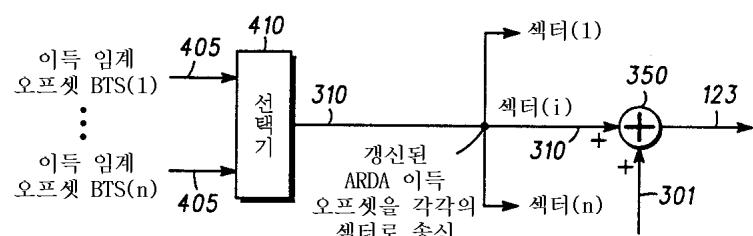
2



3



4



5

