

(72)

	97124		2767	2311
	35849		22/19	
	34612	4		
	17905			
	34612	7		
		5		
	34602		48	
	32984		20	
	92075		545	

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(54)

1 (22, 24) (IS - 95) 2 (24) (26, 28, 30) (20) 1 (22) (20) 2 (32) (GSM) (36)

4

가 GSM (Global System for Mobile) . GSM
 (TDMA)
 , 가 (- MS)
 (BSS) GSM , GSM - MAP (Mobile Application Prot
 , BSS , GSM A -
 ocol)

(CDMA) , 가
 가 , TDMA . CDMA
 TIA/EIA - 95 (IS - 95) , TIA (Telecommunications Industry Association)
 . IS - 95 , TIA/EIA - 41 (IS - 41) . CDMA
 . CDMA BSS , TIA/EIA - 634
 (IS - 634)

IS - 95 CDMA 가 GSM TDMA , IS - 41
 , CDMA - GSM - , IS - 95 GSM

PCT PCT/US96/20764 , CDMA GSM
 , GSM 가 T
 DMA 가, CDMA CDMA BSS ,
 GSM A - GSM
 , TDMA CDMA (transparent) . CDMA
 GSM GSM - CDMA

, GSM CDMA 가, PCT WO 95
 /24771, WO 96/21999, 1993 Ottawa (Universal Personal Communications) 2
 pp. 181 - 185 " A Subscriber Signaling Gateway between CDMA Mobile Stat
 ion and GSM Mobile Switching Center" Tscha
 , GSM - CDMA IS - 95/IS - 41 - GSM 가

, GSM - CDMA IS - 95

, /

, GSM - CDMA , GSM , IS - 41
 (BSS) BSS , GSM - CDMA MS, CDMA
 IS - 95 MS CDMA
 . GSM - CDMA MS , " Im
 proved Base Station Handover in a Hybrid GSM - CDMA Network" 1998 7 20
 09/119,717 US , CDMA GSM
 BSS .

CDMA MS 가 GSM - CDMA - , CDMA -
 GSM 가 MS가 GSM - CDMA 가 , IS - 9
 5 MS 가 IS - 41 , GSM IS - 95 M
 S .

, GSM - CDMA MS IS - 95 MS , BSS
 CDMA (dedicated mode) (,), GSM - CD
 MA MS IS - 95 MS BSS
 A MS IS - 95 MS가 (, 가 , BSS), GSM - CDM
 MS , MS , /

1 1 2
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, GSM - MAP IS - 41 ,
 , GSM A - IS - 634 가 V 5.x
 , CDMA - .가 , 1
 IS - 95 , 2 GSM
 2 1 2 CDMA
 GSM - CDMA
 , 1 CDMA2000 , 2 W
 CDMA .

가 1 2 가 (camp on) 1
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GSM A - 가 IS - 41 IS - 634 GSM - MAP
V 5.x

GSM MA2000 / CDMA - IS - 95 WCDMA 가 CD

1 2 1 2 가 (camp on)

가 1 2

A 1 1 CDMA - IS - 95 CDMA2000 2 GSM WCDM

1 GSM - CDMA

2 BSS 1 MS

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1 (MS) (22, 24) (26, 28, 30)
 GSM - CDMA (BSS) (20) GSM - MAP (28) GSM
 , IS - 41 (26) , CDMA

(30) , (30) (PSTN)
 . BSS (20) (30) , V 5.1 V 5.2 , ETSI V 5.
 x (30) , " Gene
 ric C" , BSS (20) , GSM - MAP IS - 41 , 1 " "

MS (22, 24) , IS - 95 CDMA RF
 BSS (20) . MS (22) IS - 95 , 가
 , IS - 95B . MS (24) , IS - 95 가 CDMA
 GSM BSS (32) , 1 MS (22, 24)
 , BSS (20) MS
 , BSS

BSS (20) (CIS) (34) , (BTS) (32)
 S (22) RF , BTS , BTS MS가 , M
 CDMA , MS (22) RF , (IS - 95)
 , IS - 95 MS (22) GSM - CDMA MS (24)
 22, 24) , BSS (20) / CDMA , MS (
 가, " (camp on)" . 가 (likelihood)
 GSM - CDMA
 126,869
 , BSS (20)

MS (22 24) 가 , MS IS - 95 GSM - CDMA BSS
 (20) . CIS (34) / (PAM) (36)
 , MS (26, 28, 30) , MS

PAM (36) , CIS , (38 40)
 . IS - 95 MS (22) 가 IS - 95 (38)
 , IS - 41 (26) , GSM - CDMA MS (24)
 GSM - CDMA (40) , GSM 가 , 가
 , GSM - MAP (28) , MS (24) 가
 , MS 가 IS - 41 (26)
 (38) . GSM - MAP (28) , 가
 (38) MS (24) , (38) MS (3
 0) , PAM (36) MS ,
 (42)

(38, 40) (26, 28) IS - 634 GSM A -
 . GSM A -
 가, " Base Station Handover in a Hybrid GSM/CDMA
 Network" 1998 7 20 09/119,717
 , (38, 40) (26, 28, 30) ,

(42)
 . CDMA , MS (22, 24) 가 BTS (32) (42)
 , BTS (copy)

MS (22, 24) (26, 28)
 PSTN (30) 가 (, MS (22, 24))
 , (30) (38)

2 , MS (22, 24) GSM - CDMA BSS (20)
 . MS (22) BSS (20) , IS - 95
 / CDMA (1) (2) IS - 95
 , MS (24) 가 IS - 41 (26)

, MS (24) 가, MS (22) CDMA IS - 95 (1)
 GSM - CDMA BSS (20)
 " Base Station Handover in a Hybrid GSM - CDMA N
 etwork" 1998 7 20 09/119,717
 GSM 3 (RIL3) 가 (RR)
 , (MM) (CM) . RR GSM - CDMA
 (2) , IS - 95 GSM - CDMA

3 , BTS (32) (camp on)
 MS (22, 24) 가 , MS (22) M
 S (24) , BTS 가 (sync)
 , MS GSM - CDMA
 가 , IS - 95 , GSM - CDMA MS (24) , GSM
 , GSM - CDMA MS (22)

, MS (22, 24) , BTS (32) , BTS
 . BTS (32) 2 , IS - 95 , G
 GSM - CDMA , GSM - CDMA MS (24) , MS (22) MS (24)
 SM - CDMA IS - 95 가 , MS (22 24) 가
 , GSM - CDMA 가 , MS

, MS (22, 24) . IS - 95 ,
 IS - 95 , MS (22, 24) ID GSM . MS (2
 , GSM - CDMA MS (24) 가 . MS (2
 2 24) 가 , MS

GSM - CDMA 가 , MS (22 24)
 (camp - on) , IS - 95 MS GSM - CDMA MS
 가 " " .
 MS 가 CDMA ,

, BSS (20) , IS - 95 ,

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- GSM

IS - 95 GSM - CDMA MSC_TYPE

BSS (20) IS - 95 MS (22) GSM - CDMA
 MS (24) IS - 95 MS GSM - CDMA MS
 IS - 95 MS BSS (20) 가

IS - 95 MS (22) GSM - CDMA MS (24)
 GSM - CDMA MSG_TYPE 가
 IS - 95 MS (22)

MS (22, 24) 가 GSM - CDMA MS (24)
 가 MS (22) IS - 95 (redirect)
 GSM - CDMA 가

GSM - CDMA TDMA - CDMA -

4 BSS (50) MS (52, 54) (56, 58, 60)
 IS - 95 MS (52) IS - 95C
 (backward - compatible) 3 CDMA2000
 MS (54) CDMA GSM 3
 (, UMTS) ETSI WCDMA
 BSS (50) 1 BSS (20) BSS MS (52,
 54) IS - 41 (56), GSM - M
 AP (58), PSTN 가 MS (22) MS (24)
 CDMA2000 MS (52) WCDMA MS (54) BSS (50)

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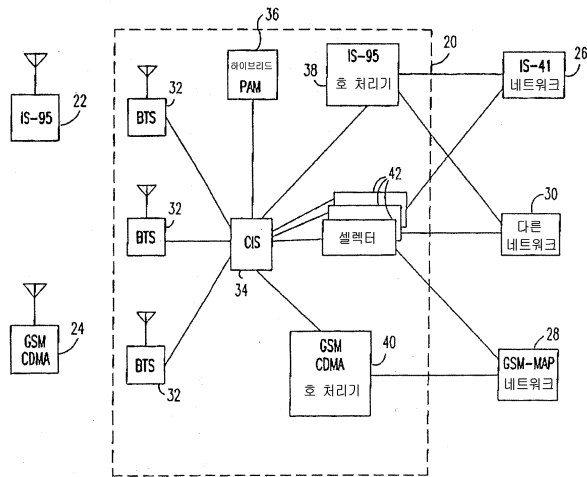
37

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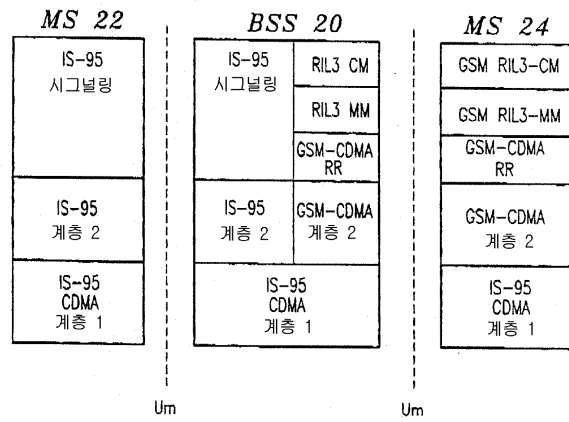
2

WCDMA

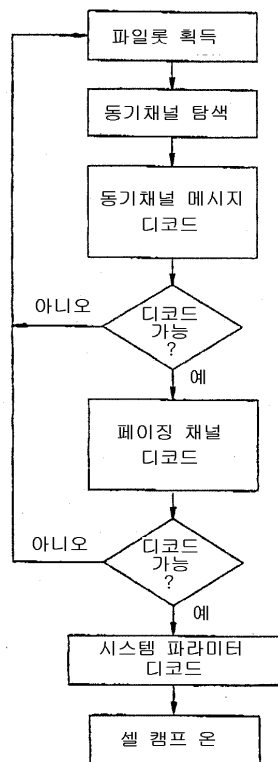
1



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