

2003 05 17  
10-0384204  
2003 05 02

[illegible][illegible]

(72)

	,	118	,	,	,	41
	,	89	,	,	,	13
	,	15	,	,	75	

•

(54)

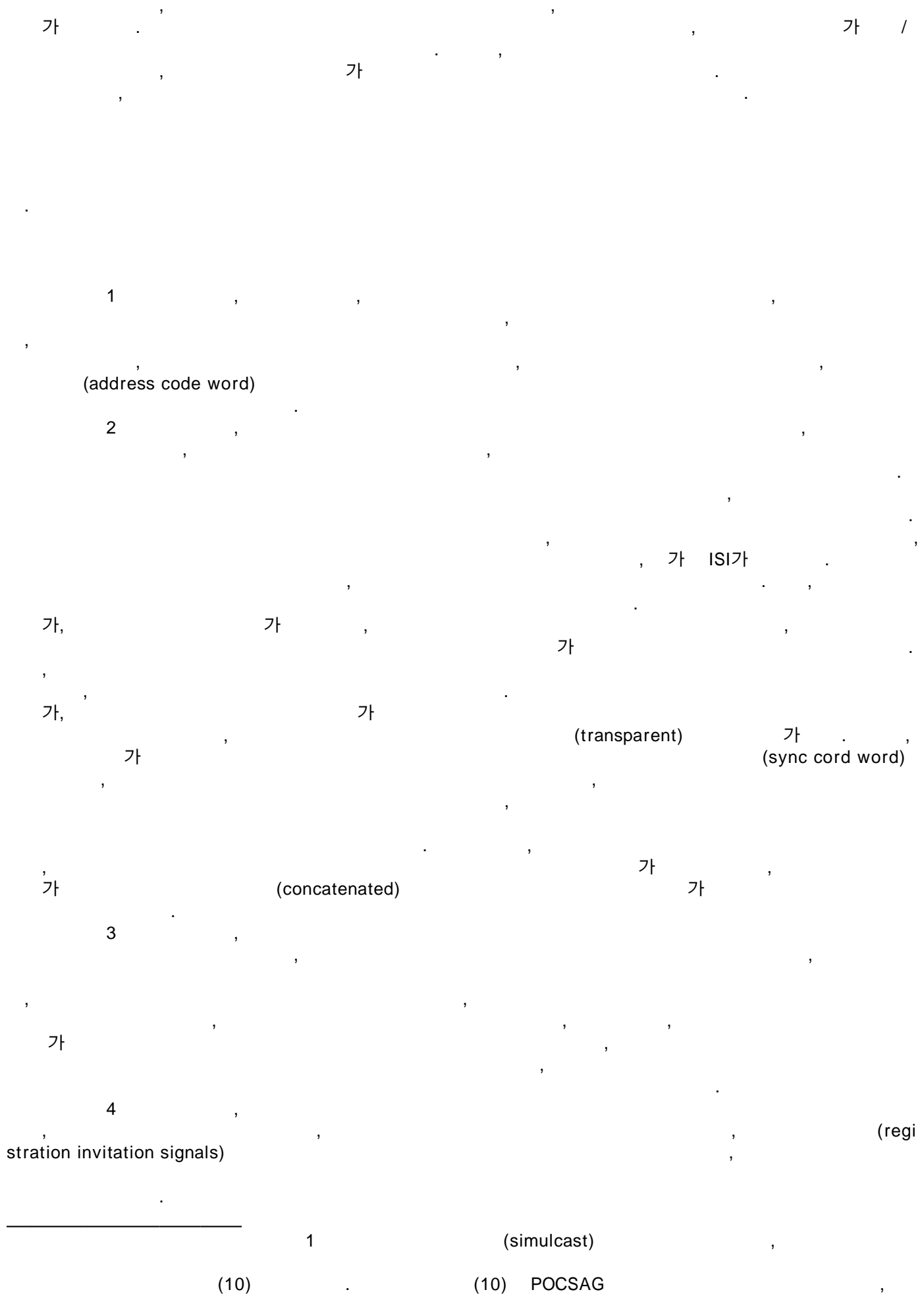
- 1 -

1

(secondary station),  
(synchronisation cord word),  
(spread spectrum code sequ

1  
2 CCIR No.1( POCSAG)  
3  
4 3  
5  
6 가  
7 (simultaneous spread spec  
trum acknowledgement signals)  
8A 8B  
9  
10 3가  
11  
12 (A1 A5) (B)

(secondary station)  
(paging system)  
(RICs) POCSAG CCIR No.1 (base station)  
(simulast) 가  
RIC 가  
가  
1/4  
(implicit maximum bit rate)가  
10km 10kb/s (ISI) ISI



(14,16) (BS1,BS2) (10) (12) (BS1,BS2) (BS1,BS2) (10)  
 (10) (14, 16) (10) (BS1,BS2)  
 (SS)  
 (SS) (TB) (BS2) (BS1,BS2) (SS) (SS) (d1, d2)  
 . d1 = 10km d2 = 1km 가 , 30s가 ISI가  
 가 10kb/s 가  
 , POCSAG 2  
 1 가 576 . POCSAG (PRE) (PRE) 32  
 32 (S) 8 (SS) (B) (RICs)  
 (duration) 8  
 . POCSAG , RIC (10)가 가 (SS) 8  
 RIC RIC 가 (SS) (SS) (PRE) 1 (S)  
 , POCSAG 가 가 가 , 가  
 가 RIC  
 32 (S) 가 ASCII 1200 / . POCSAG RIC (alphabetic)  
 7 0.4533 . 1200 b/s POCSAG  
 B ail) , 가 (tone-only) POCSAG 500 E- (E-m  
 , 1200b/s (transparent) 2  
 , 가 , 6.4kb/s  
 (HRM) 30kb/s  
 (S) 3  
 RIC(X) 1 RIC(X) (6.4kb/s)  
 (HRM) (S)  
 1200Hz 1 (HRM) RIC(X)가 . RIC(X) 6.4kb/s , HRM  
 30kb/s . HRM POCSAG (spanning) HRM  
 4 3 (synchronous format) POCSAG 15 6.8  
 (cyclic structure) 1 32 (PRE)  
 15 (BO B14) , POCSAG /  
 n m RIC n ( RIC )  
 (batch zero marker)(BZM)  
 1 (BO) 1 . BZM

, BZM  
 POCSAG 1200b/s , RIC 6.4kb/s  
 HRM 30kb/s  
 1 HRM 가 가  
 ISI 가  
 HRM 가 (off-line),  
 (decision feedback equalisation)  
 HRM 5 (spread spectrum)  
 (SS) (46), CDMA (48)  
 (50) (SS) (20) (18) (20) -HRM  
 (21) (22) (24) (22)  
 (ROM) (24) , (30)  
 (visual) / (tactile) (28) /  
 LCD (34) LCD (32),  
 (RAM)(36) (24) (20) (SS)  
 (22) 가  
 (24) 가 가 (28)  
 (30)  
 / (24) 가 RAM(36)  
 (30) (24) RAM(36)  
 LCD (32)  
 POCSAG (HRM)  
 5 (SS) 1 3 2 (38, 40) (22) 가 (38, 40)  
 가 "a" (20) (38) "b" RAM(42)  
 , RAM(42) (44) (44)  
 (40) "b" (38,40) (24)  
 (38,40) 가 (SS) "a"  
 가 가 가 6.4kb/s (22)  
 ) 가 가 가  
 (HRM) , HRM  
 RAM(42) HRM "b"  
 (24)가 (38, 40) 가 RAM  
 (42) RAM(36)  
 6 (52) 가 (54)  
 (SS) 가 (56) 가  
 가  
 (N) , (58) (60)  
 (54) (62) 가  
 (64) (6)  
 62) 6) (62,64) 가  
 (54) (68) (70,72) 가

(56) (Y) , (74) (76) (78) (80) , (54) 가 (84) (82) (82) (84) (86) (88) HRM (N), (88) (90) (92) (90) (Y) HRM (94) (96) HRM (68) POCSAG HRM 4 58 6 가, ISI가 (acknowledgements) (SS) (46) / 가 100mS 가 300mW 10km 가 (direct sequence spread spectrum signal) (orthogonal pseudo-random code sequences) (24) , 가 (multiply) (50) (48) (48) , 6 8 48 가 , POCSAG 8 가 ( ) , 6 1 - 2 - 3 - ( ) 4 - " " 5 - " " 6 - 가 HRM 가 , 2 가 가 100mS 가 10Hz (crystals) 가 100Hz 25kHz 2 , 1 , ( 가 ) (46) 2 1 , 2 가 (46) , 가 (in - range) (switched-on) 가 ,

(acknowledge) RIC , 가 .  
 , 가 , 가 .  
 , 가 ,  
 7 RIC1 RIC5 가,  
 , 7  
 / (acknowledgements/registrations) SS.REP가  
 RIC1, RIC3, RIC4  
 RIC1MESS, RIC3MESS RIC4MESS  
 ,  
 , (indicia)  
 , ,  
 8 , A ,  
 B , POCSAG , S  
 8 , S 6.4kb/s  
 1 F1 , 8 가 ,  
 F2 , F2 ,  
 , (invitation) ,  
 , 가 ,  
 G , A POCSA  
 , S  
 , HRM 가 HRM HRM  
 HRM HRM HRM  
 HRM 1 HRM / HRM  
 ,  
 , 가 3  
 , 2  
 , 1  
 ,  
 , 9 - , 9  
 , C1, C2 C3  
 , SS가  
 , BS1, BS2, BS3  
 , 가 ,  
 (10)  
 , 가  
 , 가  
 9 SS , (10) , 10 A  
 , SSREP( 10  
 B) , BS1 BS3 ,  
 , 가  
 ,  
 (10)  
 , 10  
 C (voating) REG ,  
 (10) , 가  
 , 가  
 ,

(body) (interleave) ,

11 (10), (100) BS  
Tx  
(onward) , PSTN Rx (102)  
(108) RAM(110) (106) /  
AM(112) Rx BS (104), R  
(114), (116)  
(102) Tx/Rx (118)

12 B 가 5 ( A1  
A5 ) (120) A5 A1  
A1 A5 5  
1 2  
burst) 1 2 ( 6.4kb/s  
30kb/s  
1200 b/s PODSAG  
B 가,  
가

$\left( \frac{\text{도시수} + \text{시폴수}}{2} \right), \quad \frac{5+1}{2} = 3$

가

(57)

1.  
(secondary station) ,  
가 ,  
2.  
1 ( indicia)



3.

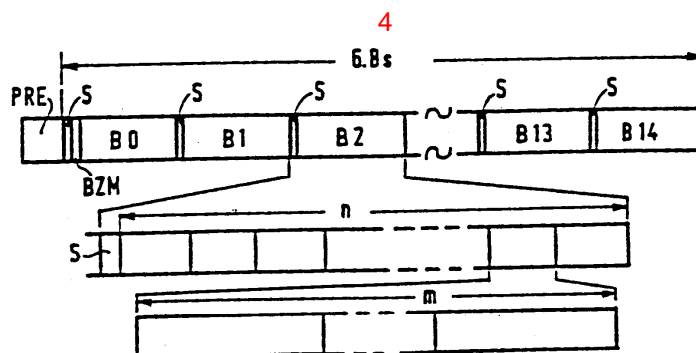
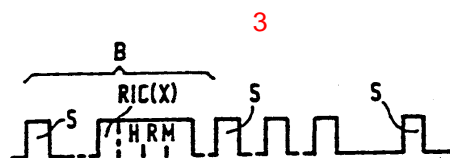
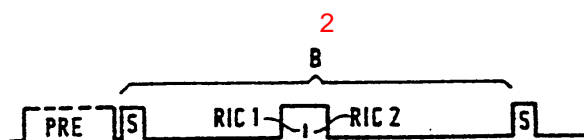
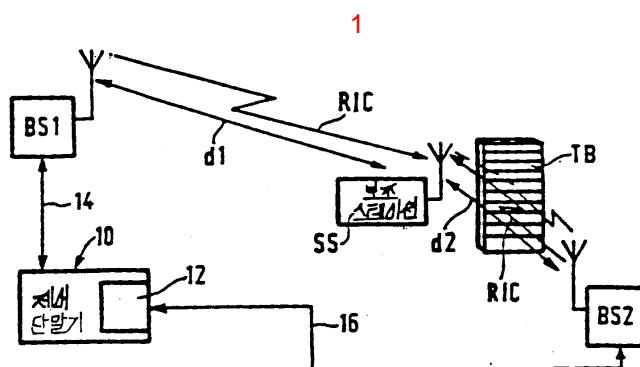
(synchronisation cord word)

4.

5.

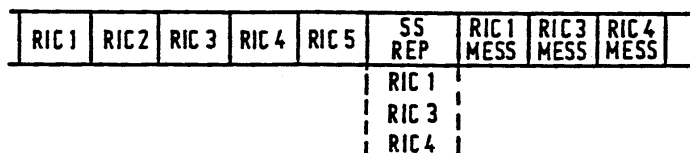
6.

(spread spectrum code sequences)

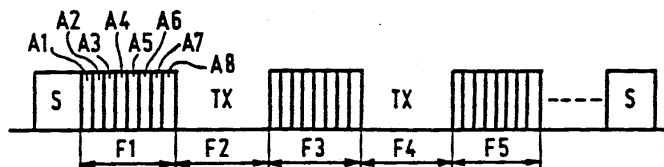




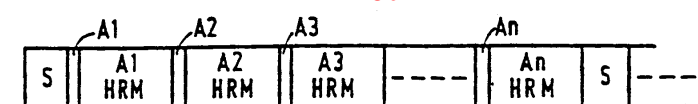
7



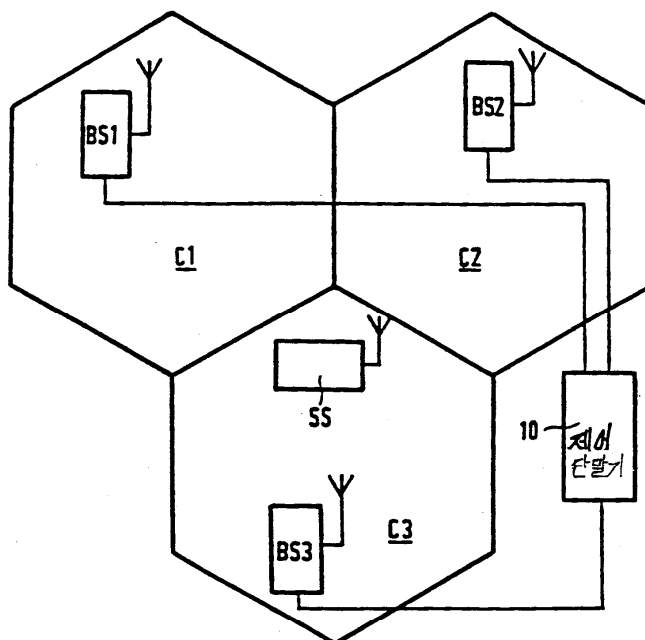
8a



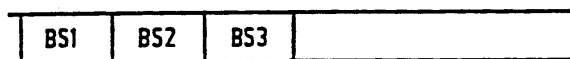
8b



9



10a



10b



10c

