

(19) (KR)  
 (12) (A)

(51) . Int. Cl.<sup>7</sup>  
 H04B 1/69

(11)  
 (43)

2003-0084957  
 2003 11 01

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(86)	PCT/IB2002/00605	(87)	WO 2002/71652
(86)	2002 02 28	(87)	2002 09 12

(30)	09/797,273	2001 03 01	(US)
	10/013,562	2001 12 11	(US)

(71)	4 2 9	-	2351
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(72)	2 3 6	10-6
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2 5 9	44
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2 3 5	18
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1 7 2	71
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2 2	479
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(74)

:

(54)

ACDMA	, SCDMA	ACDMA	ACDMA
ACDMA	SCDMA	가	가





(C/I  
(round robin)

, 1 (millisecond)

, RRM

ACDMA

SCDMA

RRM

( ,

(非)-

) , SCDMA  
가 .

ACDMA

/

, SCDMA

가

ACDMA

RRM

, SCDMA

, ACDMA

CDMA

, SCDMA

SCDMA

가

ACDMA SCDMA

가

가

가

(central processing unit)

가

1

1

2

가

가

SCDMA

ACDMA

(

)

CDMA

1 가

1

가

가 (operative communication)

1  
1

가

1

1

1

2

3

4

5

6

7

8

9

10

11

12

가

, , , , 10 , , 1  
 d) (16) (12a), (12b), (14) (14) (12c) (unit)' (10)  
 . . . . (12d) (12c) (12a)[ (12d)] (handhel  
 . . . . (12a) (12d) (12b) (12a) (12c)  
 (12c) ( ) 가 ( ) 가 ( ) 가 ( ) 가  
 . . . . (12a, 12c) (10) (18) (20) (14) (14) (14)  
 (18) ( ) ( ) ( ) ( ) / (14) (14)  
 (20) (18) (20) 가 / .  
 (12) , 1 가 (12)  
 ( ) (14) (14)  
 (16)  
 5 MHz  
 2 (22) , A(24a), B(24b) C(24c)  
 2 , (22) A C(24a, 24b, 24c) 가 1.25 MHz 5 MHz  
 , ( ACDMA SCDMA ) , B(24b) SCDMA  
 (16) (HDP: Highspeed Data Protocol) 가  
 (DSL; Digital Subscriber Line)  
 oter) (16) D (16)  
 3 (28) (26) (30) (28) 3 (26) (26) (28)  
 (28) (32) (16) (14) CDMA (30) ( , ACDMA SCDMA ) (28)  
 , (30) , (30) (12) (12) (12) 가



(14)

(12)

(S104), (12) (14)  
 (S106). ACDMA  
 , ACDMA  
 (12)[ , (12c)] (14)

( , , )  
 (S108). (12)

(12) (S100)  
 (14) (12)  
 (12d)  
 , (12d)  
 , (12D)  
 , 가  
 (S108), 가  
 (S110).

,  
 (14) SCDMA , 가 (12)가  
 (14)

(S104) ,  
 , (S112).  
 (S108-S112)  
 (S114)

(S102) (S110) 6  
 (S116), SCDMA (S118), SCDMA  
 가 가  
 , (S120).  
 , ACDMA  
 (12)  
 b) (S122).

가 , (S116) 가 (S124) ACDMA  
 가 (S118) SCDMA

[ , (12a) (S124), (12c)] ACDMA (S122).

가

가

SCDMA (12) 1 (primary base station)(14)  
 , (14) SCDMA (cover)

, (14)(  
 gonal variable spreading factor) A ) (12) SCDMA C1 , A (OVSF; ortho  
 S1 가 (12)가  
 , (12) A S2 SCDMA , SCDMA , (14)( B  
 , (12) B B



RRM(44) , RRM(44) (14)  
RRM(44) , RRM(44) (14)

RRM(44)  
 . RRM(44) (12) (14) (RAM),  
 . RRM(14) / (fixed disc),  
 (ROM) (central processing unit) RRM(44),

RRM(44) ( ) ) , RRM(44)  
가 , / 가 .  
RRM(44) (44) 가 , 가  
RRM(44) (14) , RRM RRM(44)  
가 (14) RRM(44)  
, RRM(44) (load)

가 9 dB SCDMA, SCDMA 가 3 dB  
 , CDMA 가  
 RRM(44), (12) (14), (12)  
 RRM(44), (12) (12)  
 . SCDMA ,  
 , (quasi-orthogonality) SCDMA 가  
 (46) 8 8 7 (14)  
 (46) S1, S2 , C1, C2  
 8

, (48) (S2) (C1), (50)  
(S2), (54) (C2), (S1), (52) (C1), (S1), (C2)  
, (46) , 8  
(48, 50) (52, 54), , , (46) 52  
54)

가 (12) . RRM(44) (12) 가 (time duration)  
 (12) 가 .  
 (46) . CDMA 가



ACDMA SCDMA

가

(scale)

가

(57)

1.

,

,

,

2.

1

,

3.

1

,

4.

1

,

5.

4

,

,

6.

5

,

,

7.

6

,

1

1

2

2

8.

1

,

9.

,

**10.**

9

(operative communication)

**11.**

9

**12.**

9

**13.**

9

**14.**

13

가

**15.**

14

가

**16.**

15  
2

1            2

**17.**

9

**18.**

19.

1

1

2

2

20.

19

21.

1

1

22.

21

2

2

23.

22

1

2

1

2

,

24.

23

,

2

가

가

25.

24

,

2

가

26.

23

2  
가27.  
211  
가28.  
27

가

29.  
26

가

30.  
21

가

31.  
21

32.

31 , 1

2

33.  
21

34.

21 ,

35.  
23

36.

1

1

1

1

**37.**

36 , 1

**38.**

37 , 1 가 가

**39.**

38 , 1 가

**40.**37 , 1  
가**41.**

36 , 가 ,

,

1 ,

1

**42.**

41 , 1

**43.**

42 , 1 가

**44.**

43 , 1 가

**45.**

36 , 2 2 ,

**46.**45 , 2 ,  
가**47.**45 , 2 ,  
가

48.

49.

48

50.

49

5 MHz

51.

48

52.

51

53.

52

가

54.

55.

54

1

56.

55

1

가

가

57.

56

1

가

58.

53

,

가 ,

,

1

**59.**

58

1

**60.**

59  
가

1

가

**61.**

60

1

가

**62.**

54

2

2

**63.**

62

2

,

2

가

**64.**

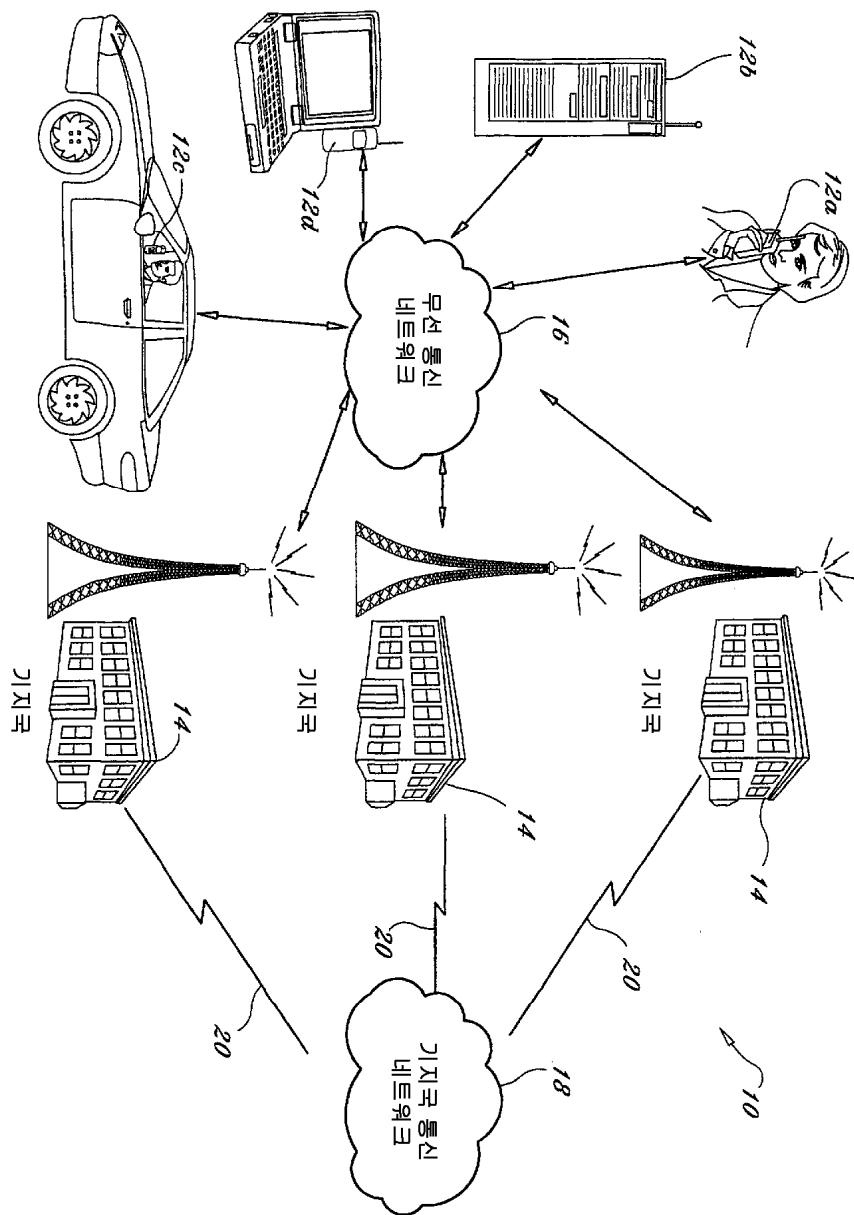
62

2

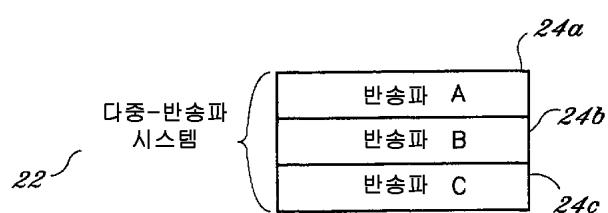
,

가

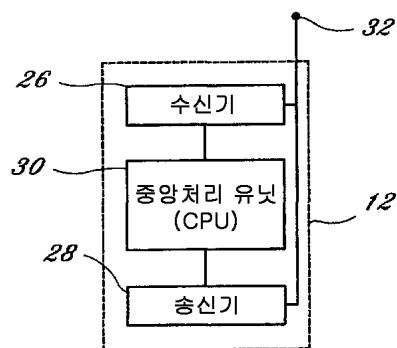
1



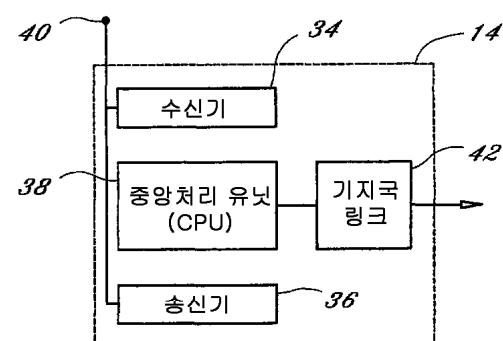
2



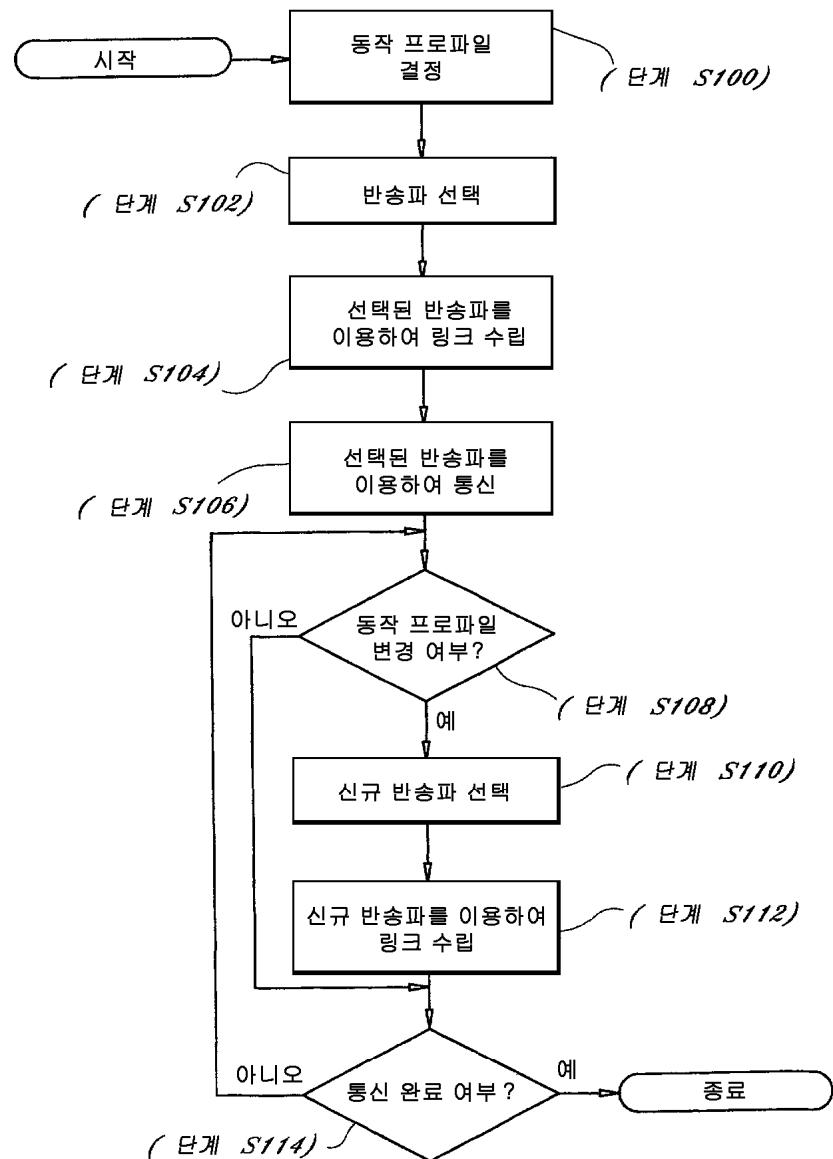
3

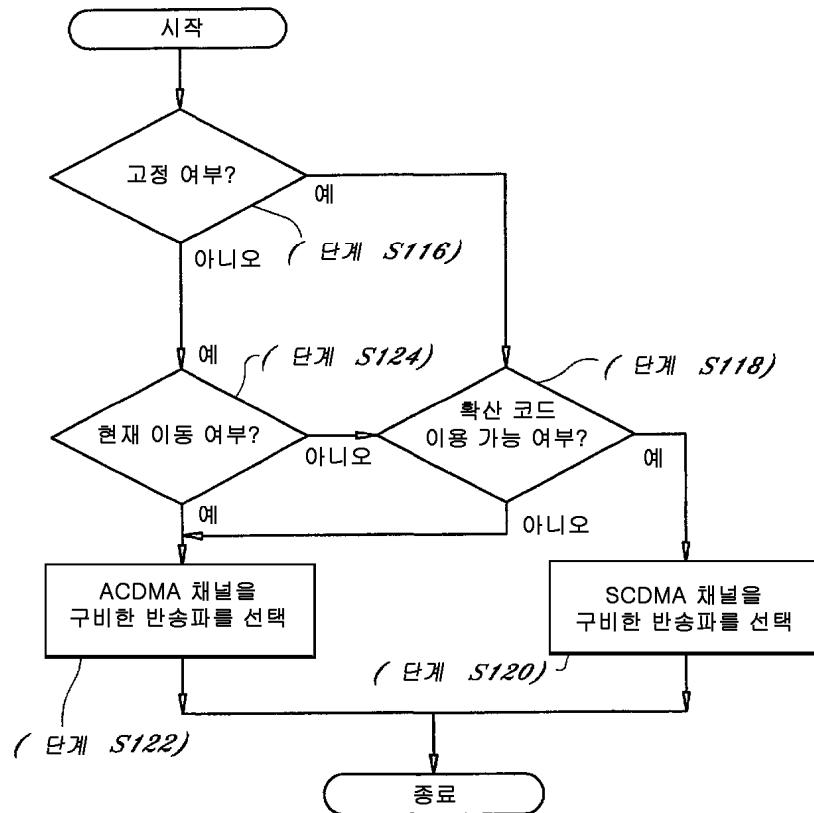


4

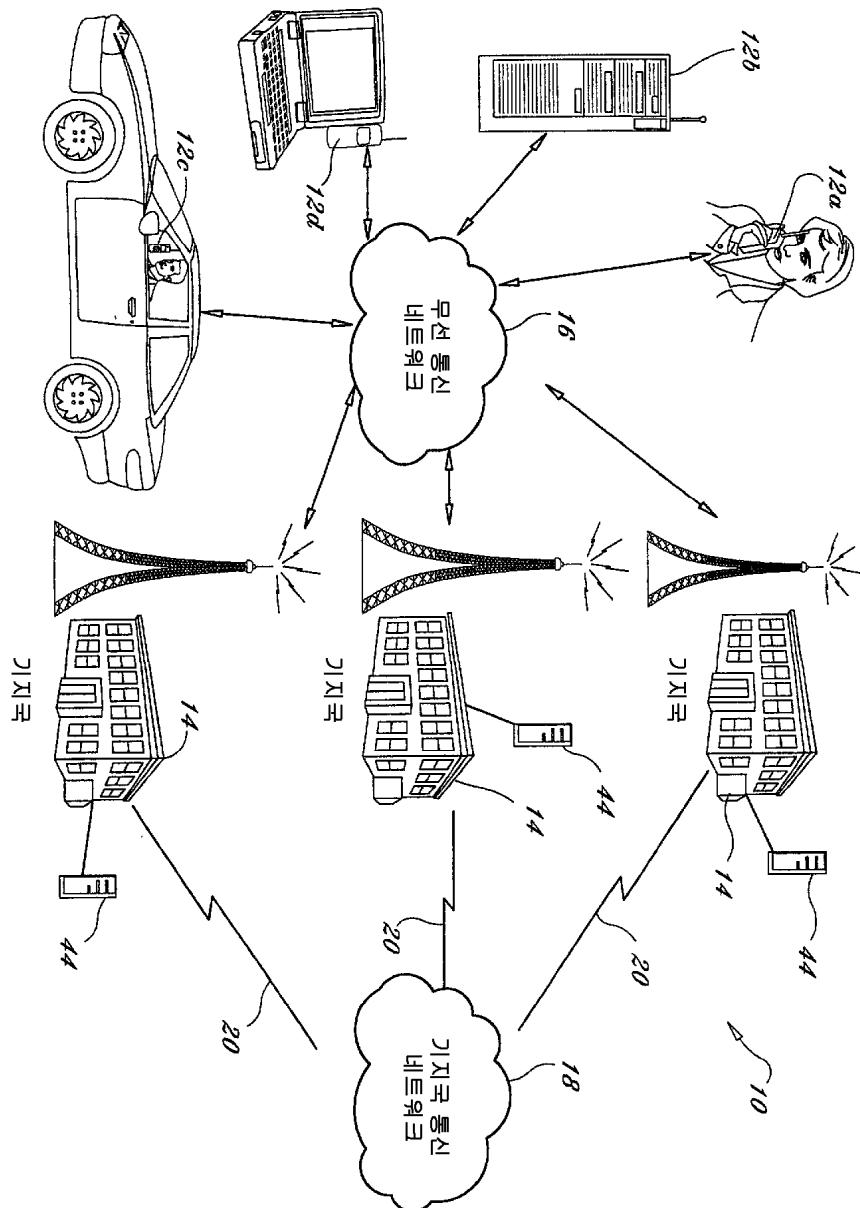


5

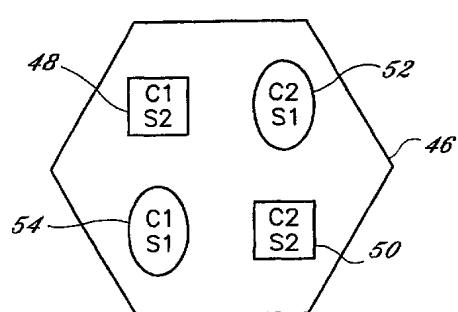




7



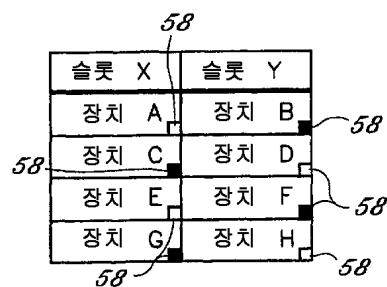
8



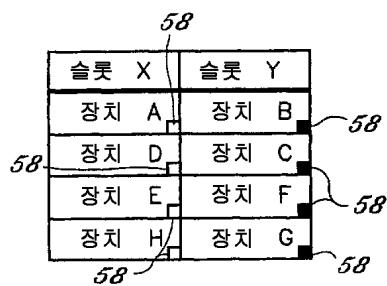
9



10



11



12

