

(hand - held)
(WLAN: Wireless Local Area Networks) (WPAN: Wireless Personal Area Networks)

(IrDA) . IrDA
IrMC(IR : IR Mobile Communications protocol) IrOBEX(: Object Exchange Protocol)가 . IrMC , " IR " 1.1(1999 3)
, PC, , PDA, IR . pp.
73 81 , , IrMC 가 . IrOBEX , " IR " , 1.2(
vMessage 가 . IrOBEX , " IR " , 1.2(
1999 3) , IrMC vMessage
. pp. 68 70 , IrOBEX vMessage
OBEX (bluetooth) , IrD
A IR - 가 .

US 5,946,629 .
SMS ,
가 ,
가 .
가 .
가 SMS

가 가 .
, 1 1 가 2
1 1
2 2
1 2 가 1

2 , 1 2

1 2 2 , 1

1
2
3

1 (100) 1 (100) , 1 (100) 1 (10)
(104) (104) (100) (10)
(10) GSM (10)

(100) , 2 (100) 2 (20) 2
(105) (20) WPAN (20)

(100) (101) { (103) (102)}
(101) (104 105), (102) (103)

C1) (101) (C1,...,Cn) , 1 (104) 1
2 (101) , 2 (101) , 2
(105) (20) (103) 2
(C2) (101) (103) 2
(101) (20)

(100) (103 102)

2 (100) (20) (200) (100) (10) (100) (100)
 (300) (200) 1 (200) 2 (400) WPAN(20) (100)
 (400) (200) WPAN(20) (10) (400) (300)
 (200) (100)

3 (100) GSM (200) (10) GSM (100) GSM (10) (10)
 (100) GSM (10) GSM (104) 6 OSI { (109) (109)
 : Open System Reference model} { (sessio
 n) (presentation) } RF (109) (109)
 GSM (10) SMS (104) OSI (1
 06) (10) (100) SMS
 (104) (109) (106) (109) SMS
 . SMS 가 (100) (10) , SMS (10)
 SMS 가 (104) (106) (10) SMS
 (109) . SMS , 가

(400) (100) (20) (20) WPAN
 (100) (400) 2 IrMC (20) WPAN
 vMessage 2 WPAN(20) , WPAN(20)
 (107) WPAN (110) (105) WPAN(20) vMessage
 (107) (100) vMessage (105) (110)
 (107) (110) vMessage . vMessage
 가 WPAN(20) (100) , (107) WPAN(20) vMessage
 (110) . vMessage , 가

(100) (101), (102) (103)
 (102) GSM (10) WPAN(20) (100) ,
 (102) GSM (10) SMS (100) , WPAN
 (20) vMessage . vMessage SMS
 2 1 3 (102) 3
 (101) .

(103) (10 20) (103) (100) (103) (101) (101) (C1,...,Cn) (103) 3 (101)

3) 가 (101) (101) (Ck) (10) (103) (100) (Ck) GSM (104 105) (10) WPAN(20)

(101) 3 (C3) (101) 1 (D1) 3 2 (D2) (104 105) (101) 3 2 (D2) 1 2 (103) (102)

(104) GSM (10) SMS (104) SMS (101) (D1) (101) (101) 1 (D1) 3 2 (D2) (102 103) (101) (102) (D2)가 (101) (101) (101) (100) (101) (101) (103) SMS 가 (D2 D3) (102) (103) (102) (103) (102) 2 (D2) (102) (102) 2 (D2) (103) (103) (102) (D2) (103)

(105) WPAN (20) vMessage (101) (101) 1 (D1) 2 (D2) (105) vMessage (102) (103) (103) (102) (103) (D2 D3)가 (100) (D2 D3) (101) (102) (103) (103) (D2 D3) (101) (102) (103) (103)

1 (D1) , (101) 3 (D3) , 3 (D3)가 ((103))
 103) , 가 (103)
 (a graphical representation of an envelope)
 , (101) 3 (D3)가 1 (D1)
 . 3 (D3) (104 105)

(101) , GSM (10) WPAN(20) 가
 (100) . , e- (400) vMessage (100)
 e- (400) (C3) (100) (100)가 ,

3 , (400) (402) . (402) 가 (400)
 N (401) (402) (401) (400) vMessage (403) WPA
 essage vMessage (401) (400)가 (100) (20)
 (402), (402) , vMessage가 (403) vM
 e- (20) (400) (400) (400)
 (402), (403) (401) vMessage (404) (100)

(101) 1 (C1)
 (101) (104) 1 (D1) , (101) 1
 1 (D1) 2 (D2) 2 (D2) (105)
 (20) 가 (10) (100)
 104) SMS (400) . SMS 가 (100) (109) , ((101) 1)
 D2) . 2 (D2) 1 (D1) , (101) 1 (D1) 2 ((101) 1)
 SMS 가 (D2) SMS , SMS
 vMessage (105) . (D2) WPAN(20)
 WPAN(20) (400) GSM (105) vMessage
 가 (400) (100)

, " (comprising)" 가

가

(57)

1.

(100) ,

1 1 (10) 1 (104) ;

2 2 (20) 2 (105) ;

(101) ,

1 2 1 2 1 1 2
1 2 (101) ,

2.

1 2 , 2 2 1 2 , 1 ,
2 , 2 1 , .

3.

1 , 1 , .

4.

1 , 1 , .

5.

1 , 1 (SMS : Short Message Service) ,

6.

1 , 2 (PAN : Personal Area Network) ,

7.

1 , , .

8.

1 , , .

9.

1 , 1 2

10.

1 ,

3 (103) ,

2 , , 3 3 , 1 , .

11.

10 , 3 3 (102) ,

12.

(200) ,

1 (10) 1 (300) ;

2 (20) 2 (400) ;

(100) ,

1 1 1 (104) ;

2 2 2 (105) ;

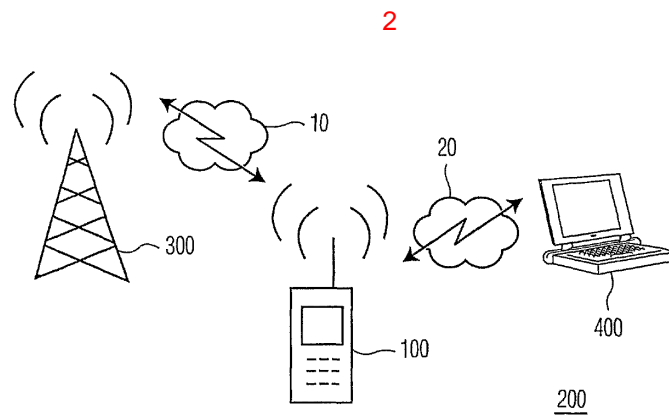
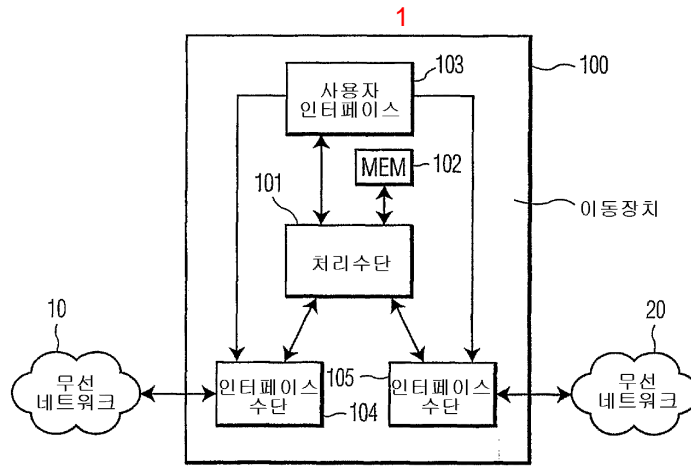
2 , 1 2 , 1 ,
(100) ,

13.

12 , 2 , .

14.

12 , 1 (WPAN : Wireless Personal Area Network)



3

