

(19)
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2004 02 25
10-0419477
2004 02 09

(21) 10-2002-0005633
(22) 2002 01 31

(65)
(43)

10-2003-0065148
2003 08 06

(73)

4 873-29 4

(72)

329-1 105 1501

(74)

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(54)

가

() 가 (OR) 가 ; ; 가
(Group Delay)

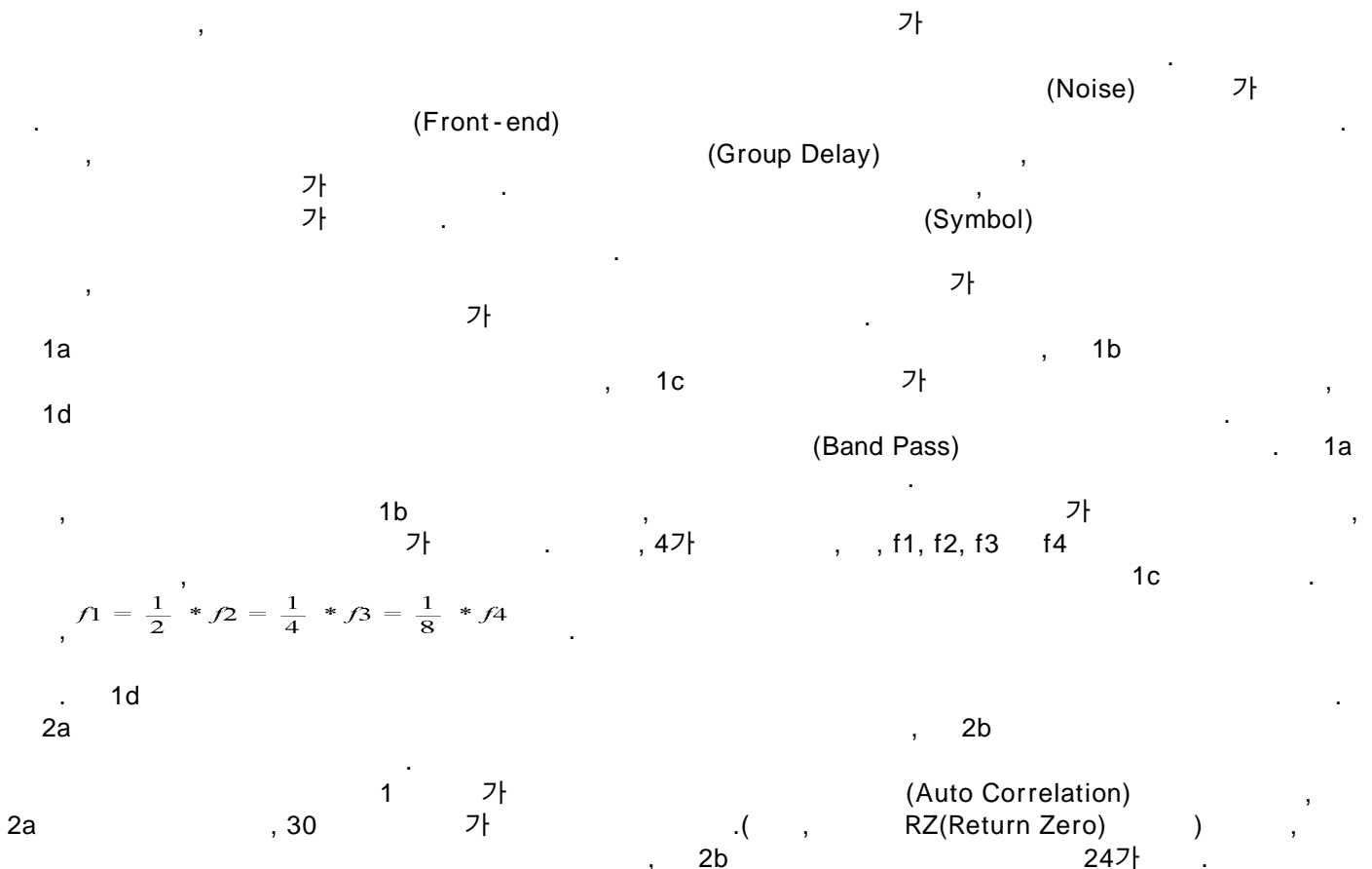
5

1a
1b
1c

가

1d
 2a
 2b
 3
 4 2a
 5 2b

301 : 303 :
 305 : 307 : 1
 309 : 2 311 : 가
 313 :



가

(Correlation) (PLC : Power Line Communication)

(Falling Edge Detector); (Rising Edge Detector);

1 (Pulse Generator); 가 2 ; 1 가 2 (

가 (OR) ; 가 ; 가 (

) (Group Delay) (PLC : Power Line Communication) ;

, 가 (OR) ; 가 (Group

Delay) (Group Delay) 가

, 가 (PLC : Power Line Communication) ; ;

가 (OR) ; ; 가 (G

roup Delay) (Group D

elay)

3 (Falling Edge Detector, 301), (Rising Edge Detector, 303), (Pulse Width Reference, 305), 1 (Pulse Generator #1, 307), 2 (Pulse Generator #2, 309), 가 (OR, 311) (313)

, (301) (303)

가 1 (307) 가 2 (309) (309) (303)

가 (307, 309) 가 (307, 309) (305)

, 가 가 가 (313)

, 가 가 가

, 가 가 가 가

가 가 가 가 가

'-1' 가 (311) 가 (OR) 1 (307) '+1' 2 (309)

(313)

(313)

가 $y(t)$, $x(t)$, $R(x, y)$ [1]

$$R(x, y) = x(t) \otimes y(t) = \int_{-\infty}^{\infty} x(\gamma)y(t+\gamma)d\gamma$$

4 2a

3

4 (a), (e), (b), (c), (d), (f) 가, (g)

5 2b

5 (a), (e), (b), (f), (c), (d), (g) 가, (h)

4

8

5

8

가 가, 가 1/2

가

가

가

가

가

(57)

1.

(PLC : Power Line Communication)

(Correlation)
(Falling Edge Detector);
(Rising Edge Detector);

(Pulse Generator);

가 1

가 2

;

1

2

가 (OR)

가

()

(Group Delay)

2.

1

1

2

1

2

가

3.

2 , 가 가

4. 1 , [1]

[1]
 $R(x, y) = x(t) \otimes y(t) = \int_{-\infty}^{\infty} x(\gamma)y(t+\gamma)d\gamma$
 , y(t) 가 , x(t)

5. (PLC : Power Line Communication)

; 가 ;
 가 (OR)

; 가 () (Group Delay)

6. 5 , 가

7. 6 , () 가 가

8. 5 [2]

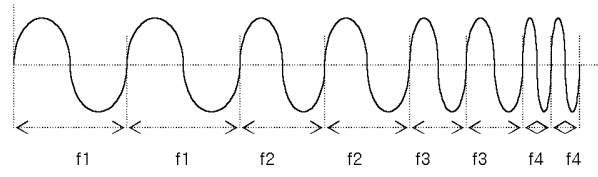
[2]
 $R(x, y) = x(t) \otimes y(t) = \int_{-\infty}^{\infty} x(\gamma)y(t+\gamma)d\gamma$
 , y(t) 가 , x(t)

9. (PLC : Power Line Communication)

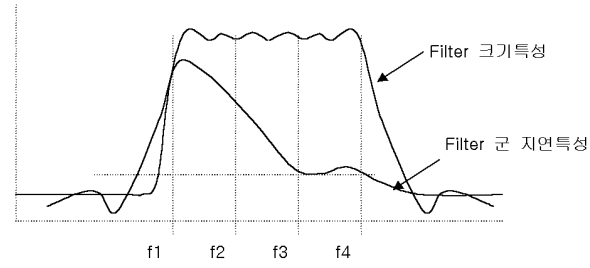
; 가 ;
 가 (OR)

; 가 () 가 ;
 가 () 가 ;
 가 (Group Delay)

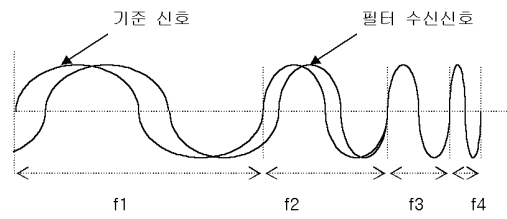
1a



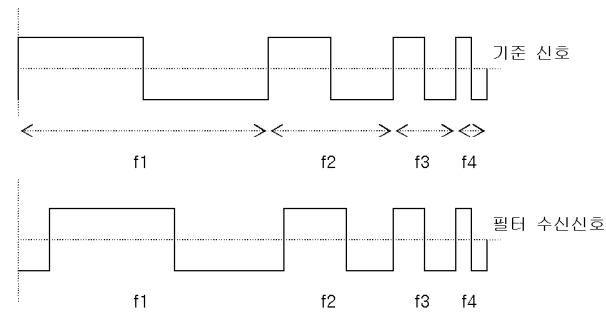
1b



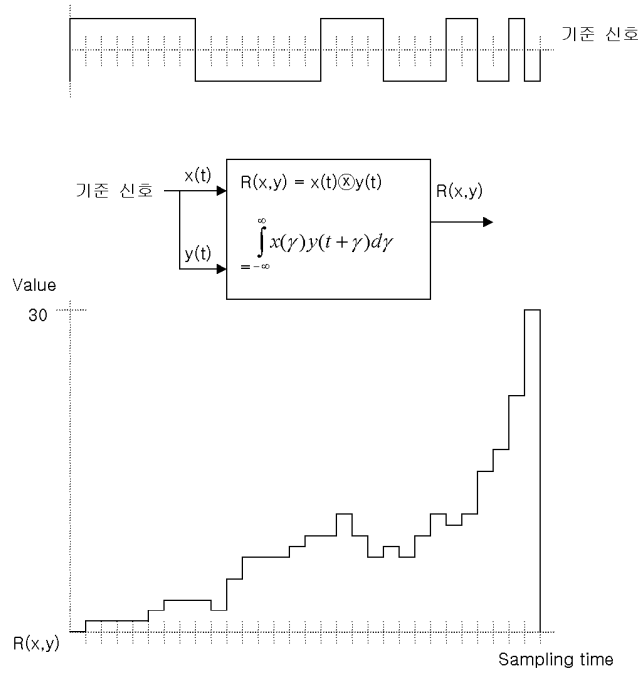
1c



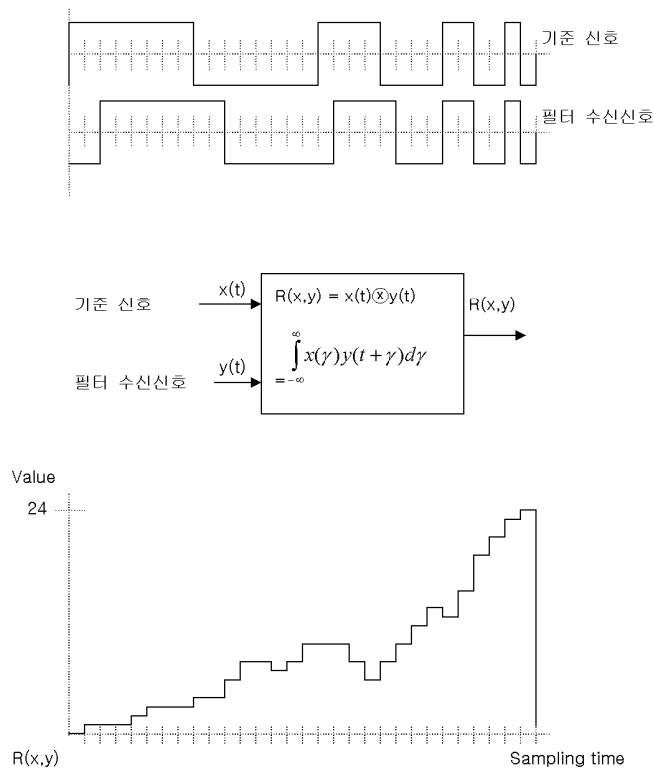
1d



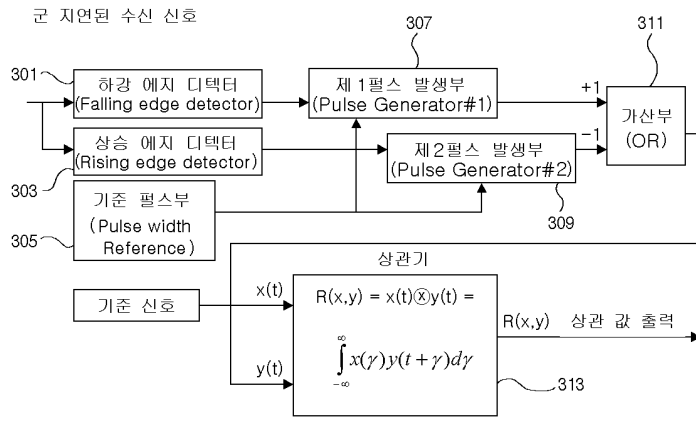
2a



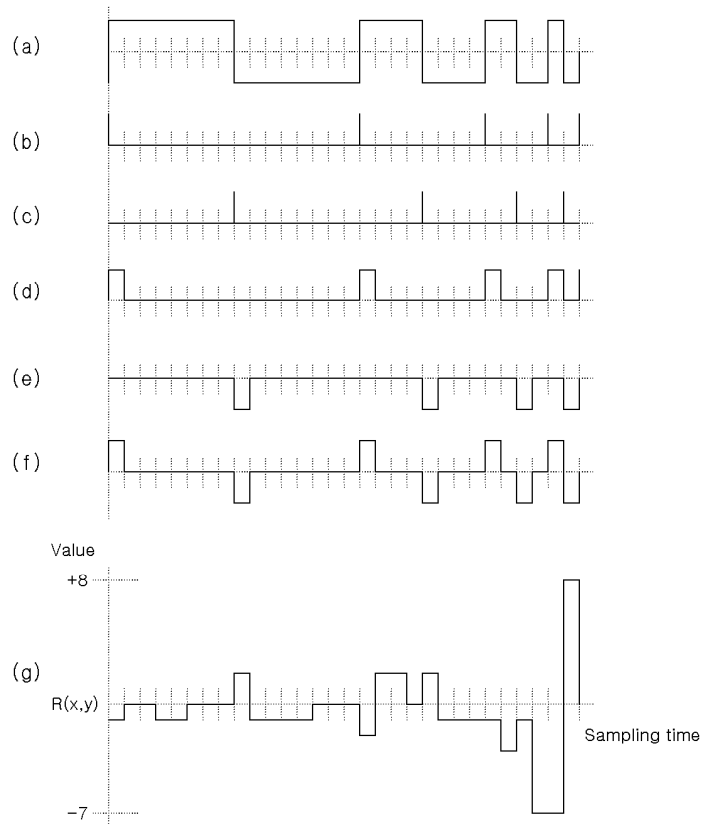
2b



3



4



5

