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(KR)
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2005 01 21

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(22) 2003 09 09

(30) 60/486923 2003 07 15 (US)

(71) 416

(72) 3 113 601

8 102 402

1 205 1305

244 803

(74)

:

(54) /

/

가

RF

가

가

가

4

1 ,
 2 ,
 3 ,
 4 ,
 5 4 가 ,
 6 4 (420) ,
 7 4 ,
 8 ,
 9 8 (870) ,
 10a 10e ,
 11 8 .

* *

410 : 420 :
 430 : 440 :
 450 : RF 810 :
 820 : 830 :
 840 : 850 :
 860 : 870 :
 871 : 873 :
 880 : 890 :

가 / , ,

가 4 가 (530) , 1 4 (Seq.1~Seq.4)가 (k)
 가 (430) DC 가
 (440) (roll-off factor) 가 가
 (pulse shaping)
 RF (450) RF (up- converting),
 7
 MPEG2- TS (410) (S711).
 (420) (Segment Sync)가 ,
 (Field Sync)가 (S713).
 , 6
 1 4 (Seq.1 ~ Seq.4) , 4 (Seq.1 ~ Seq.4)가
 가 , 1 4
 4 (430) DC 가
 (S715).
 가 (440) (roll-off factor) (pulse shaping
) , RF (S717). 가
 ,
 ,
 ,
 8
 (850), (810), (820), (830), (840),
 (860), (870), (880), (890) 가
 (810)
 (820) (850)
 (830) (860)
 (840)
 (850) (870)
 (860) (870)

(870)

9 10

(880) (870)

(890)

9 8 (870) 1
0a 10e ,

(870) (871), (873)

(871) (Reference signal)
1 4 (Seq.1 ~ Seq.4)

10a 10d (Seq.1 ~ Seq.4) , 1 4
0b 2 (Seq.1) 10a 1 (Seq.1) , 1
, 10d 4 (Seq.4) , 10c 3 (Seq.3)

(871) 1 4 , 10a 10d

(873)

10e , 가 '0'
4

(Channel Dely Profile) 가

(880) (880)

(850) (860)

(850)

(860) (873) '0'
10e ,

가

11

(810) (S810).

0). (820) (850) (S82

(S830). (830) (860)

(840) 가
(S840)

, (870) (S850).

, (871) 1 4 ,
(S851). (873) 1 4 (S8

53). (860) (870) (S

860). (870) (S870).

, (850) (870) (S910).
, (820)

, (860) (870) (S920).
, (830)

, 가 4 가 가

'0'

313

가

가 , ,
가 가 , ,

(57)

1.

가 ;
가 ;
RF ;

2.

1 , ,
가 ,
가

3.

1 , ,
 ,
 .

4.

3 , ,
 ,
 .

5.

2 , ,
 ,
 k, -k, -k, k 가 1 ,
 k, k, k, k 가 2 ,
 k, k, -k, -k 가 3 ,
 k, -k, k, -k 가 4 ,

, k

6.

;

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가

;

가

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7.

6

,

,

가

,

가

8.

6

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9.

8

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10.

7

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k, -k, -k, k 가 1 ,

k, k, k, k 가 2 ,

k, k, -k, -k 가 3 ,

k, -k, k, -k 가 4 ,

, k

11.

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12.

11 ,

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13.

11 ,
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14.

11 ,

가 ,

가

15.

14 ,

k, -k, -k, k 가 1 ,

k, k, k, k 가 2 ,

k, k, -k, -k 가 3 ,

k, -k, k, -k 가 4 ,

, k

16.

13 ,

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가 .

17.

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18.

17

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19.

17

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20.

17

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가 ,

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가

21.

20

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k, -k, -k, k 가 1 ,

k, k, k, k 가 2 ,

k, k, -k, -k 가 3 ,

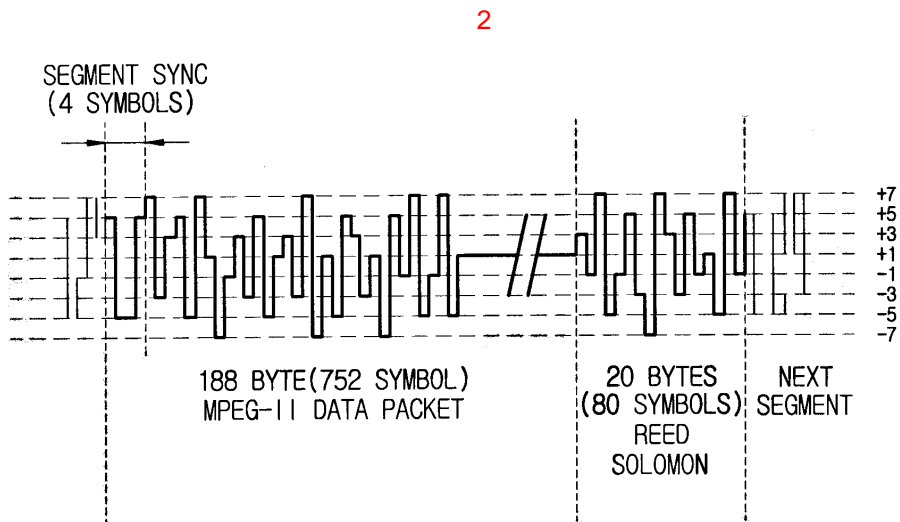
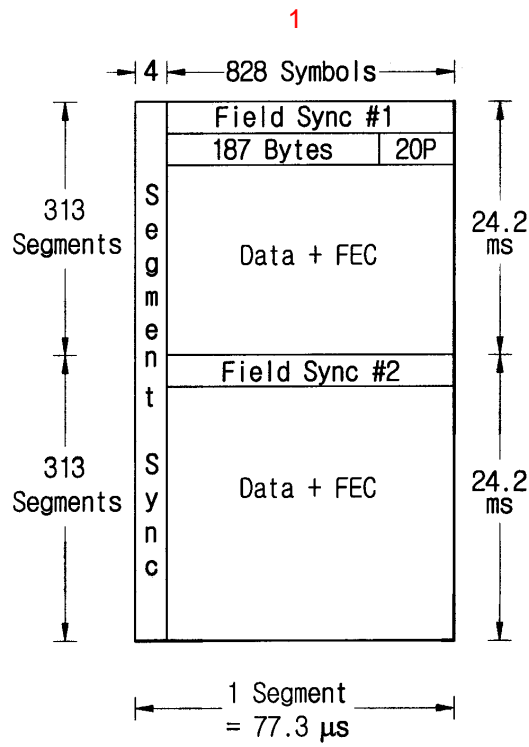
k, -k, k, -k 가 4 ,

, k .

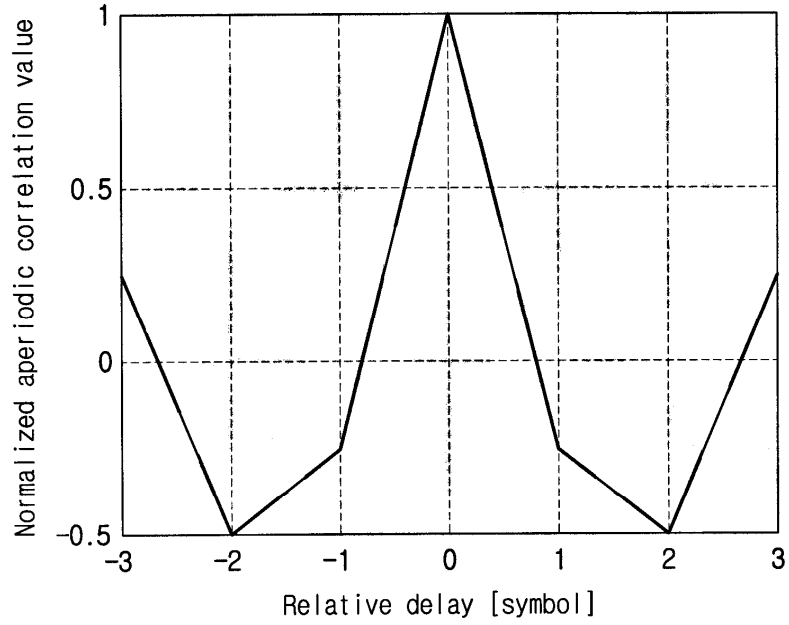
22.

19

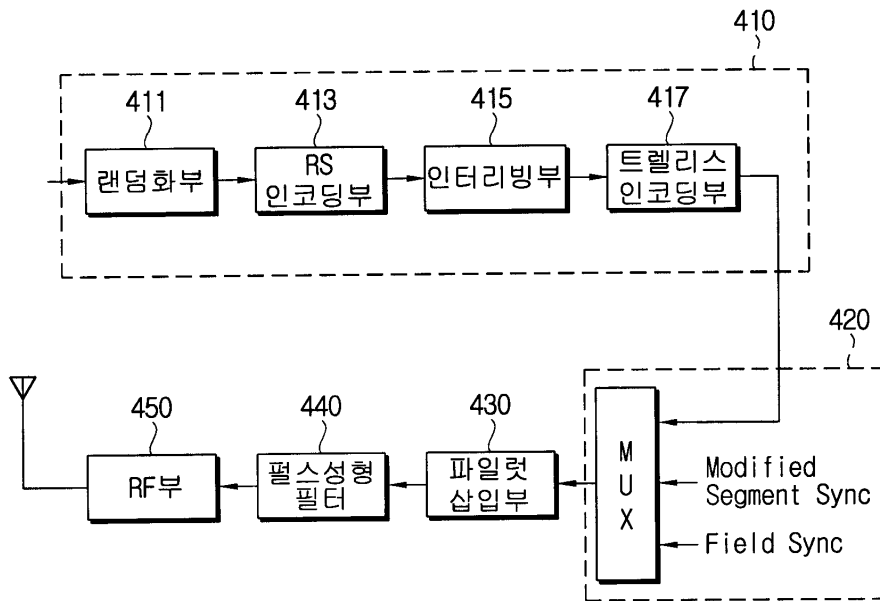
가

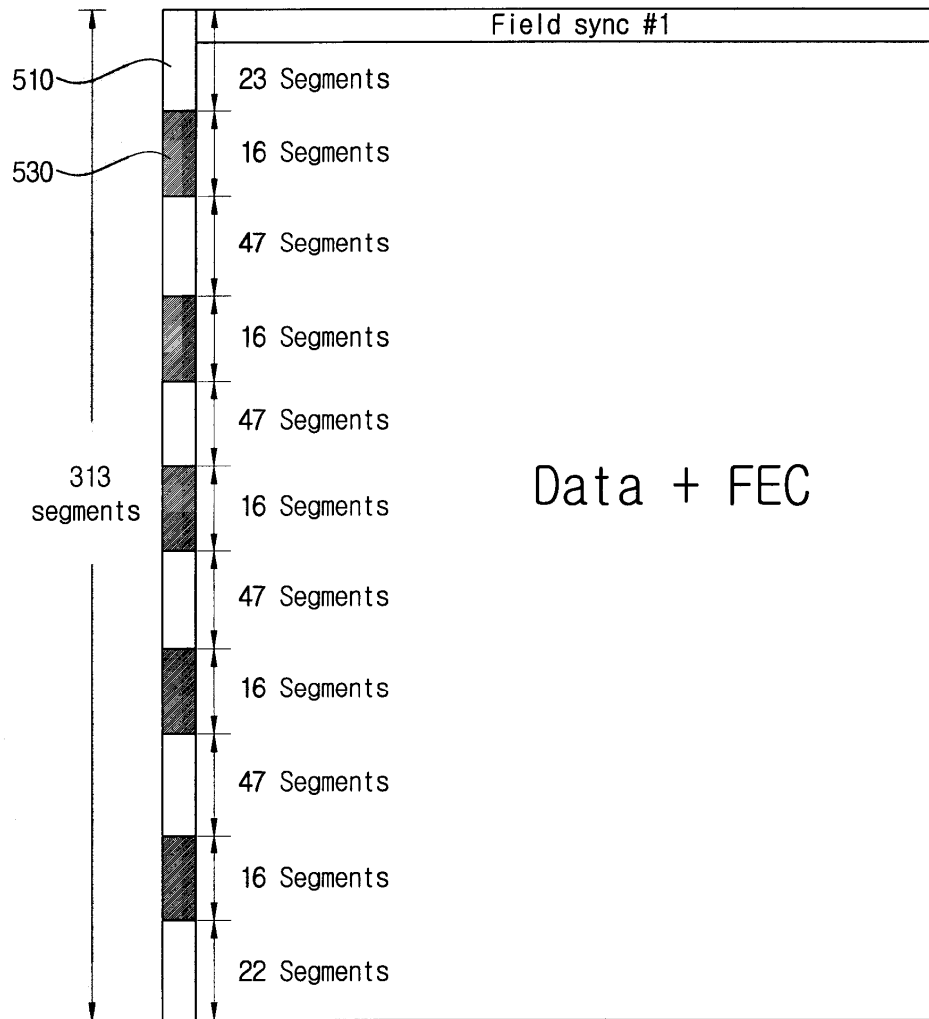


3



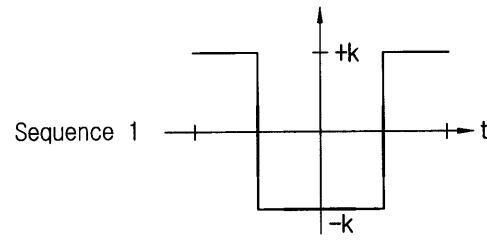
4



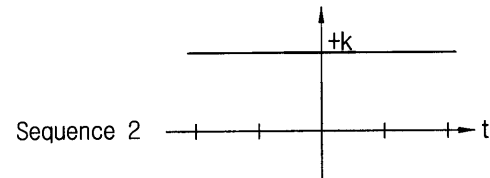


6

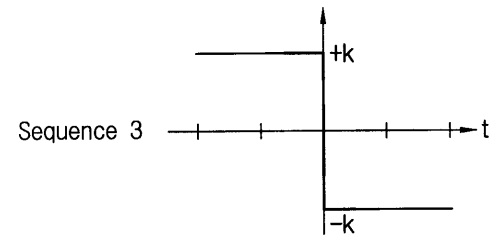
(a)



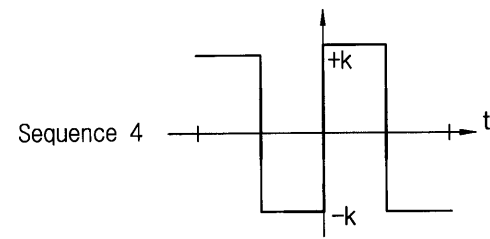
(b)



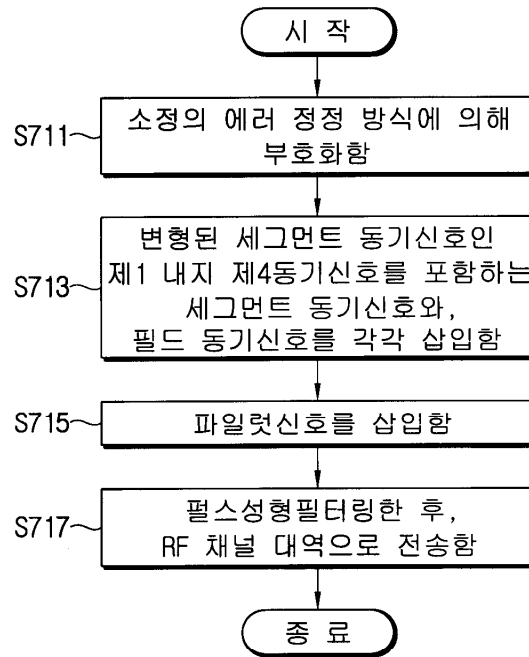
(c)

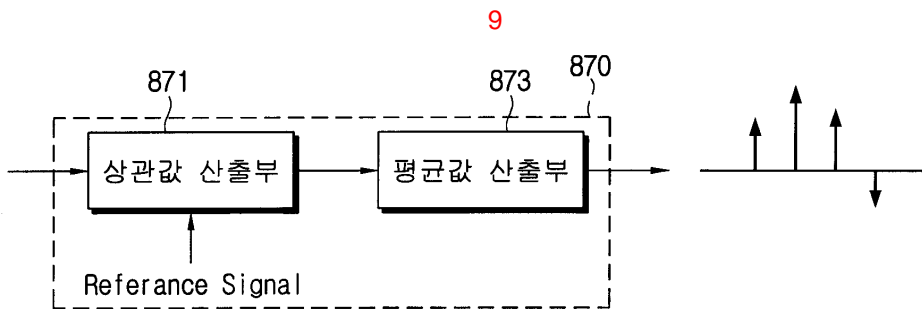
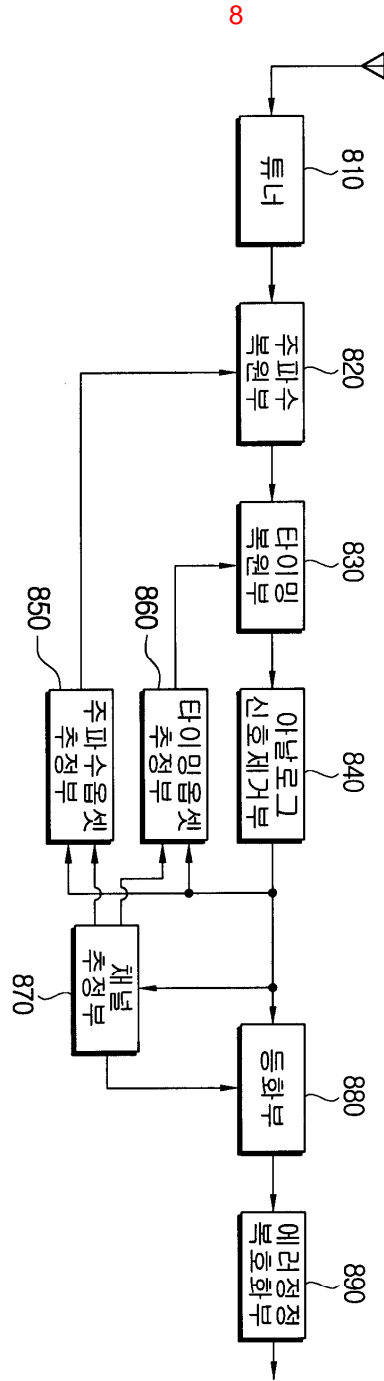


(d)

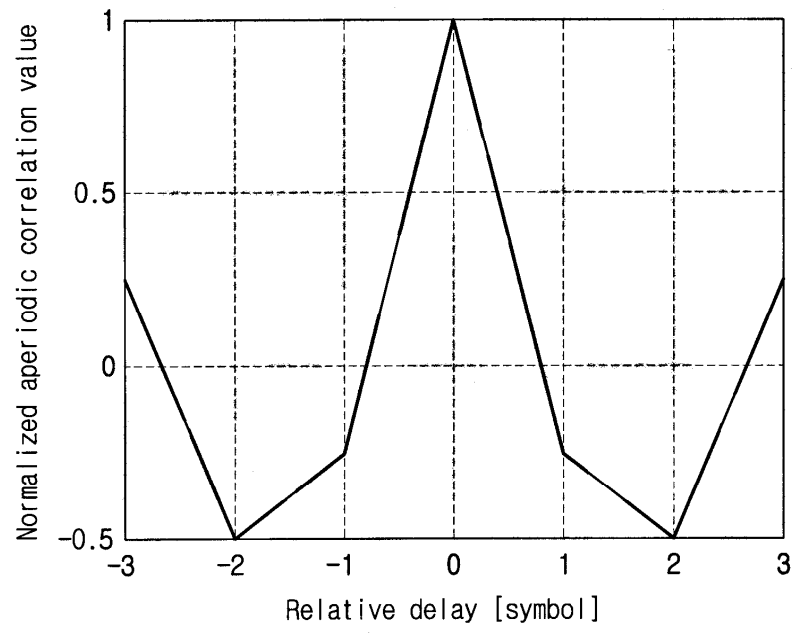


7

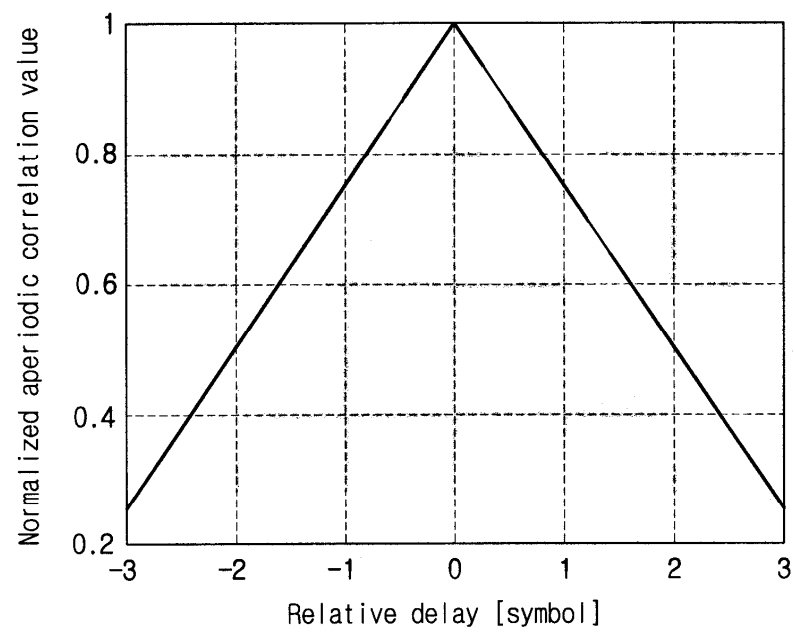




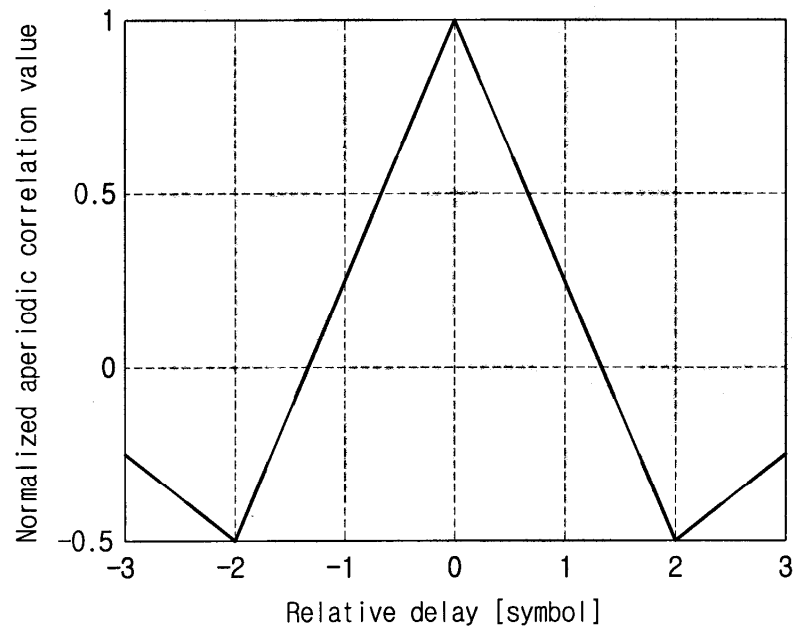
10a



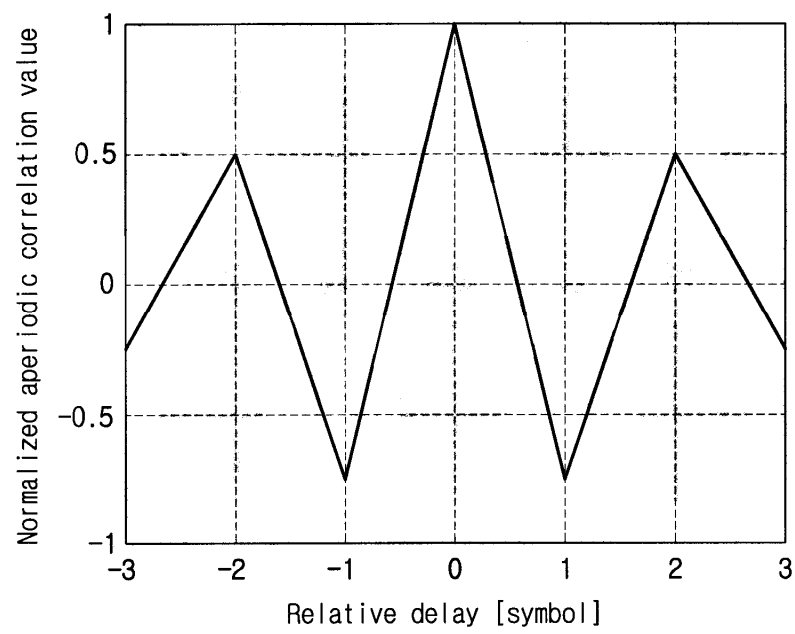
10b

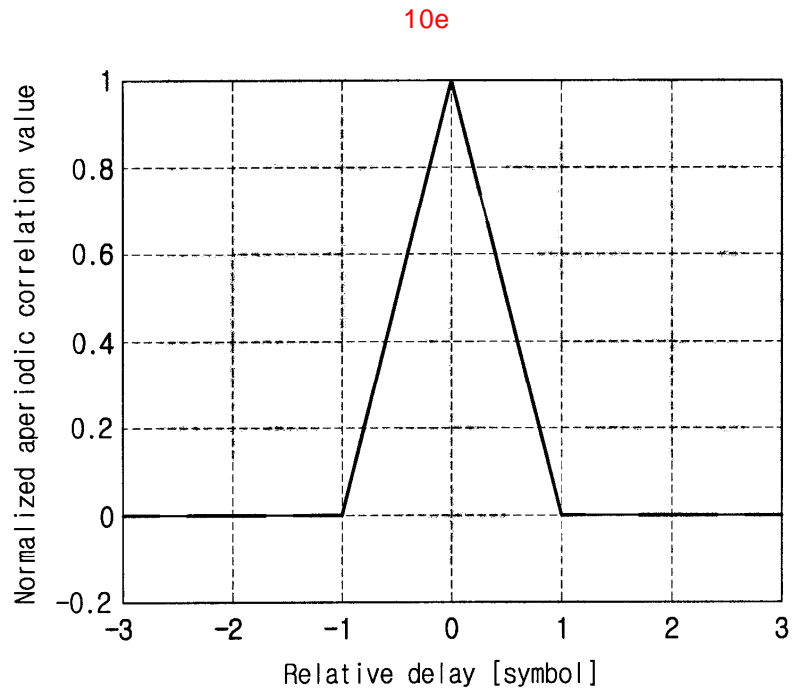


10c



10d





11

