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10 - 0353103
2002 09 04

(21) 10 - 1998 - 0021849
(22) 1998 06 12

(65) 1999 - 0006913
(43) 1999 01 25

(30) 97 - 173073 1997 06 13 (JP)

(73) 가 가 5 7 1

(72) 5 - 7 - 1 ()

(74)
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(54)

가

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1 1

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@ @

101 : 102 :

103 : 104 :

105 :

5 - 299985

가 가
가
(leading and trailing edges)

5

(506)
itt trigger circuit)(502)
503)

(507)

(504)

(Schm
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(503)

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(505)
(505)

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5 가 , 가
 , 가 가 .

5 (503) 6 6
 7 가 , (704) AND (602) (703) 6 (601) (703)
 (603) (705) 가 , (706) NOR (704) 가 , (705) NOR
 가 . (706) (606) 가 가 . (604) (706)

6 7 , (701) (leading edge) (704)
 T (601) AND (602) , (701) (
 trailing edge) (705) (601) NOR (603)

(701) T (702) , NOR (604, 6
 05) , (606) - (601) (607,
 608) (607) (609)

(601) T 가 (701) 가 6 , 8
 (803) (601) 8 , (801) (601) 가 ,
 , (805) NOR (603) 가 , (804) AND (602) 가 ,
 (706) (606))가 , (802) (606) (604)
 가 .

(601) T - (8 (801) tpw1)
 (601) AND (602) , T1 - (
 8 (801) tpw2) (601) NOR (603) ,
 (802)

, 6 (601)가 , (609) 가 MOS (607)
 MOS (609) , / 가 .

, MOS (601) T , (609) , (607)

, MOS

가 (601)가

가

가

가

가

가

가

가

T

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1

1

1

(101)
(103)
(105)

(102)

(103)

(104)

(103)

가

가

(104)

(113) .

(105) 6 (601) T , 1
(104)가 가 (101)

2 1 . 1 1 2

2 211 (102)
1 (111) 가 (211) (101) (107)
(211) 1 (103)

(103) (103) (104) (112) (112) (104)
212 - H 212 - L 212 - H (103) 가 가 2
, 212 - L (103)가 (101)
가 가 2 212 - H 가 2 212 - L (103)

212 - H 212 - L 2 213 - H 213 - L
1 (105) 213 - H 212 - H T1 ,
213 - L 212 - L T2 T1 T2 (105)
T1 , T2

3 (101) 가 (101)
가 3 311 가 (31
1) 312 - H 312 - L 1 (103)
T1 가 , 가
가 313 - H 가 가 313 - L T2 , 가

2
, 2 가

4 2

4 . 1 , (401) (402) 1 (403)
 . 1 (403) (404)

가 1 (403) (404)
 (405) 2 (406)

가 가
 6 1 2 (403, 406)

(57)

1.

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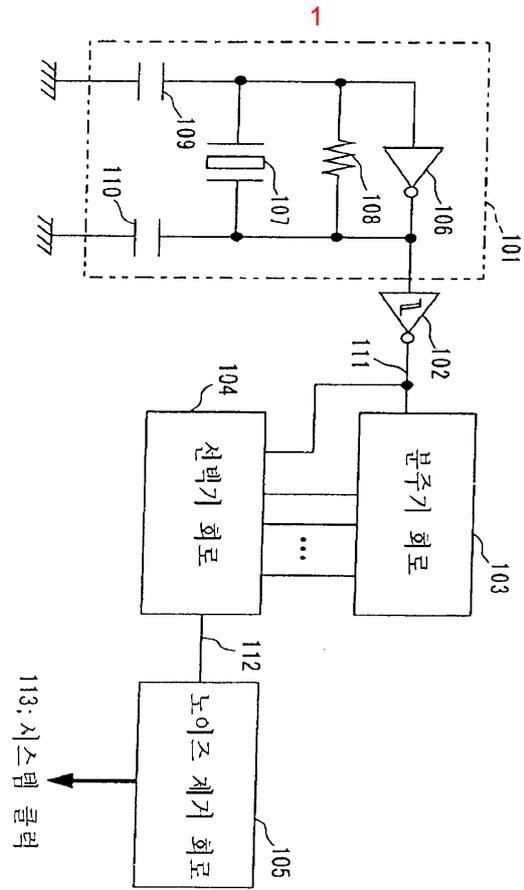
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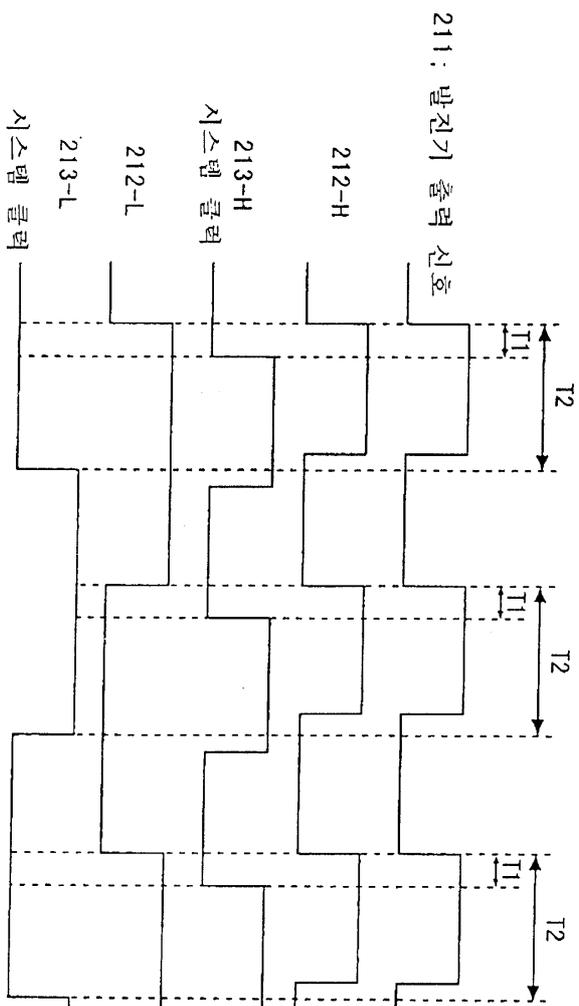
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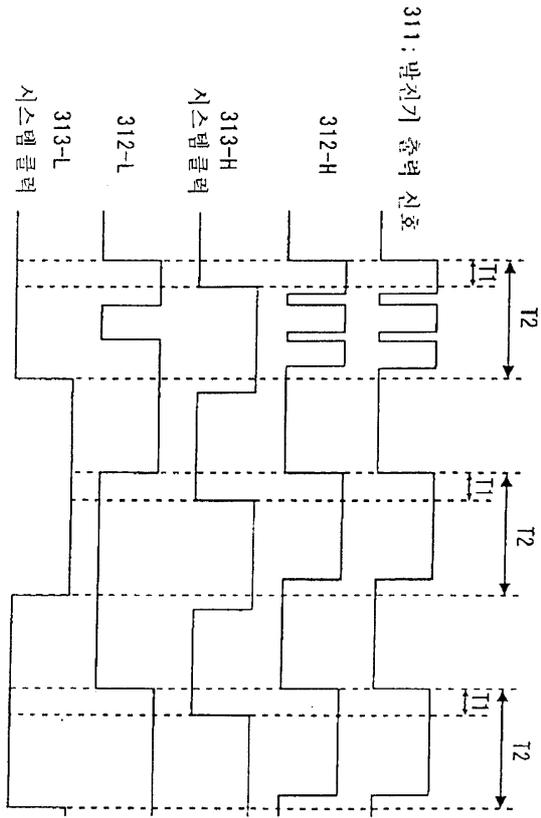
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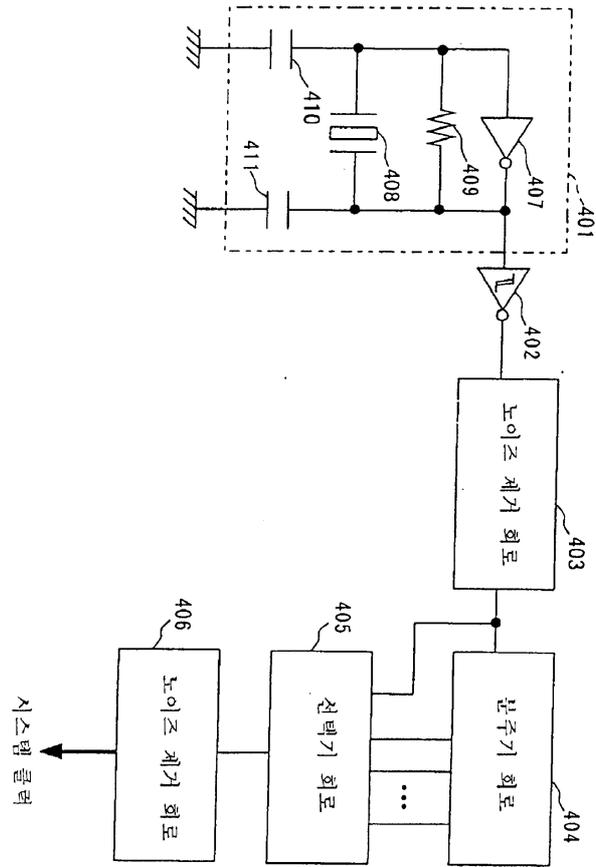
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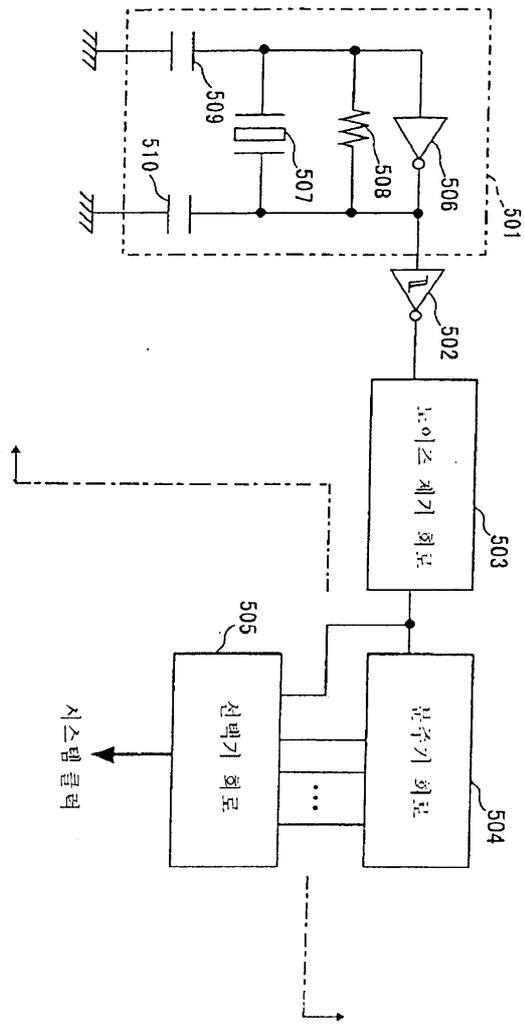
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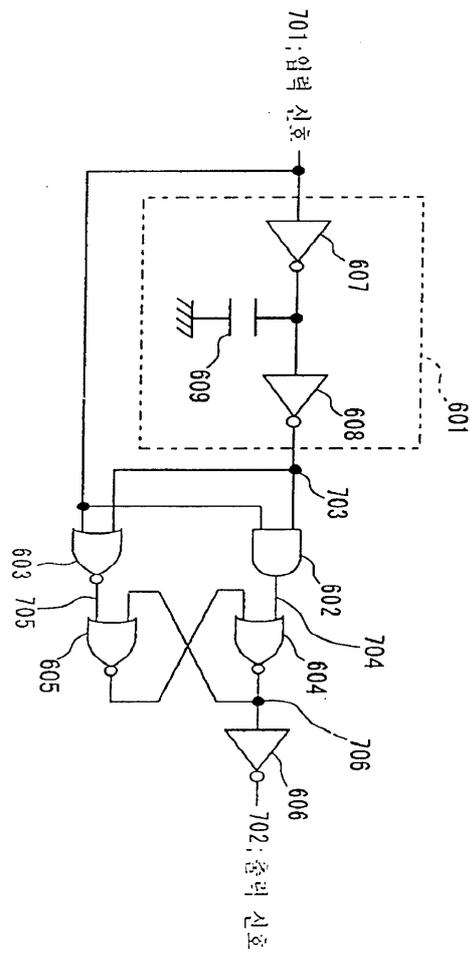
4



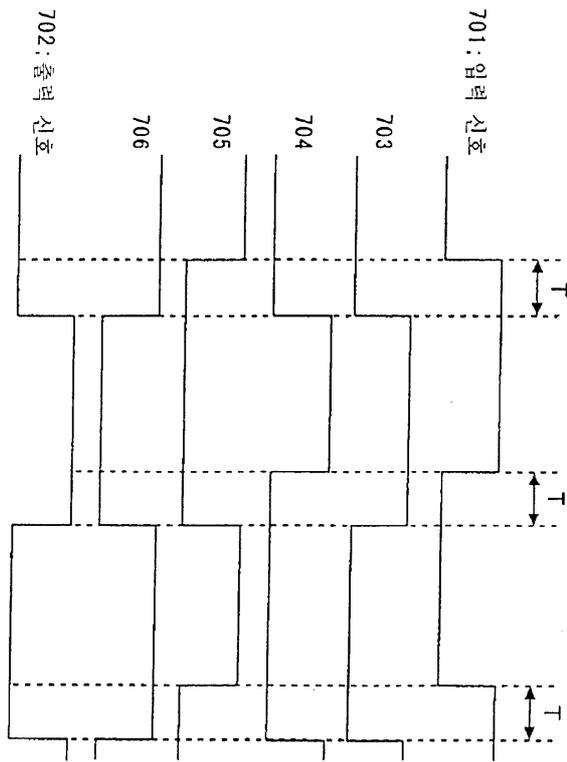
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