

4 3 X (走査)

5 3

6 4 R, G, B

7 6 (總和) , 3

8 5 3 (彩度)

9 8

10

11 2 MPU가

12 2 MPU가

13 2 MPU가

14

15 (interrupt) S2

16 S2

17

18

19

(照射) (紙葉類) (眞僞)

가 가

(吸光度) , 가 (可視光)

(眞僞) (紙葉類)

(紙面) (眞僞) ; 2

(色係數), (照射) ;

(比) (色度) ; 가

2

1

1 , X

(搬送) 가 S1 ,
 X가 S1 X가 , 가 M (正轉) , M S2
 , S2 2 X L , L X
 X P 가 ,
 X L M TG(tacho-generator)가
 2 1 S1, TG 가 MPU
 (port) P1 P2 S2 D MPU D/A 가
 S2 A 가 MPU X A/D (給電)
 MPU M I/F P3
 3 1 2 1 (走査)
 가 X
 X 333 R, G B 3
 900 (1) (333) (614)
 (異常値)
 5 3 r, g, b
 $r=R/S, g=G/S, b=B/S$
 $S=R+G+B$
 5 3 r, g, b 3
 (220 260) r g가 (逆轉) , g가 , r 가
 가
 6 4 R, G, B (濃淡)
 $T() = \{Di() / Ref()\} \times 100[\%]$
 7 6 Di() , Ref() 3 3
 " " " " (總和) , (Grassman)
 " " " " , R, G, B
 3 가 7
 8 5 3 3 (指標)
 $T(S) = T(R) + T(G) + T(B)$ R, G, B T(S),
 $r(T) = T(R) / T(S)$ T(R), T(G), T(B) r(T) g(T)

$g(T)=T(G)/T(S)$

$F=r(T)/g(T)$

$b(T)=T(B)/T(S)$

r(T), g(T)

F가

b(T)

F가 8

F 8

(220

260)

5

가

9 8
, 8

5

9

가

가

가가

가

1

2

3

(

)가

[1]

	1	- -	- -
	0.947	1	- -
	0.948	0.961	1

1

R, G, B

0.9

[2]

	$r(T)=T(R)/T(S)$	$g(T)=T(G)/T(S)$	$b(T)=T(B)/T(S)$
$r(T)=T(R)/T(S)$	1	- -	- -
$g(T)=T(G)/T(S)$	-0.884	1	- -
$b(T)=T(B)/T(S)$	-0.561	-0.109	1

2

3

가 r(T)-g(T)

가

5

(220 260)

r, g

, 3

3

, r(T) b(T)

g(T)

b(T)

1

2

3

10
S10a

S10c
2

S10

3 R, G, B
(S10b).

(S10a),
V

, 3 r, g, b
(S11),

100%

F

(S10c).
(S12).

V

F

11

20

2

MPU가

11

13

14

15

16

11
S32

S31

S33

S34

가 가

S35

S1(1)

P1

S36

S36

가

S37

S35

轉) S37 , S36 가 , 가 (正
 (S38), MPU AD (S39).
 , S2 가 , 가 (S40),
 S40 가 , 가 (S41). 가
 가 , S43 , S42
 , S44 , S45
 , S46
 S46 , S46 r(V) r(F) , S47 r(V), r(F)
 가 , S47 , S48 (S52), S53 judg(V) judg(F)
 , S49 S54
 가 , S55 가 ,
 (S56) , S40
 14 (S62). , S61 DA MAX
 , S64 S63 P가 >
 S65 S63 S66
 S63, S64, S65 < S66
 DA (R) , (G), (B)
 15 16 TG P
 R S85 S89 G S81 S84 S90
 S94 B R S82
 S81 R S83
 , S84 AD R
 , 3 Ref(R) , Di/Ref(R) S96
 T(R), T(G), T(B) , S97 V F G, B V
 $V=T(R)+T(G)+T(B)$
 $F=\{T(R)/T(S)\}/\{T(G)/T(S)\}=T(R)/T(G)$
 17 (S98). S101
 , Sx, Sy, Dx, Dy 0
 , S102 (i)10 , 310
 , S103 Sx, Sy
 $Sx+x[i]$
 $Sy+y[i]$
 , S104
 $Sx/(n-1)$
 $Sy/(n-1)$
 , S105 가 310
 S103, S104 , 가 310 S106 10 S
 107 S2 S2 n 가
 가 S107 S108 가 310 가가 , 310
 , S107
 $Dx \quad x[i]-Sx$
 $Dy \quad y[i]-Sy$
 $Sxx \quad Sxx+Dx^2$
 $Syy \quad Syy+Dy^2$
 $Sxy \quad Sxy+(Dx+Dy)$

310 S2 , S109 Sxx Syy

18 S109 ,

Sxx {Sxx/(n-1)}

Syy {Syy/(n-1)}

S110 Sxy

Sxy Sxy/(n-1) x Sxx x Syy

19 X-Y

(金券類)

2 가

(57)

1. (紙葉類) (眞偽)

2 (紙面) (照射) ;

(色係數), (色度)

가 (比) ;

2. 2 ;

; ;

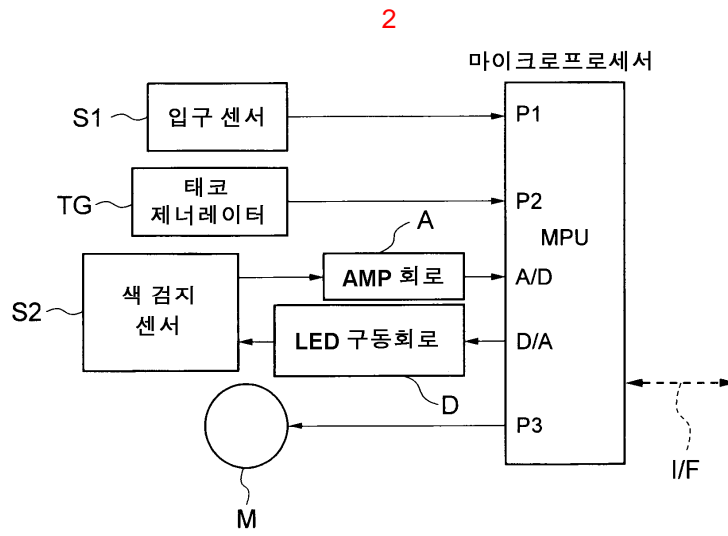
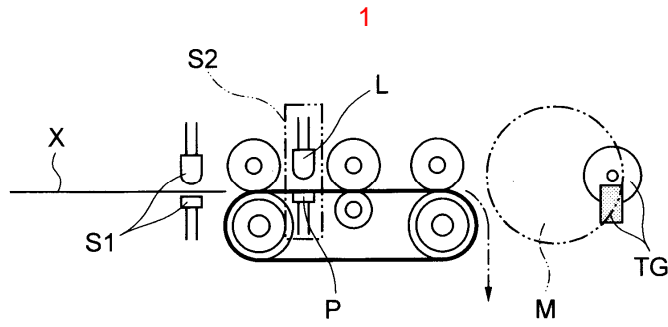
2 3. 2

2 4. 2

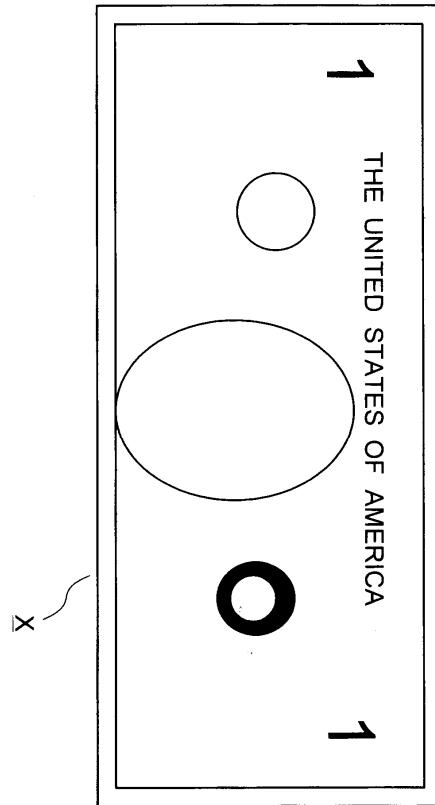
2 5. 2

5 6. 2

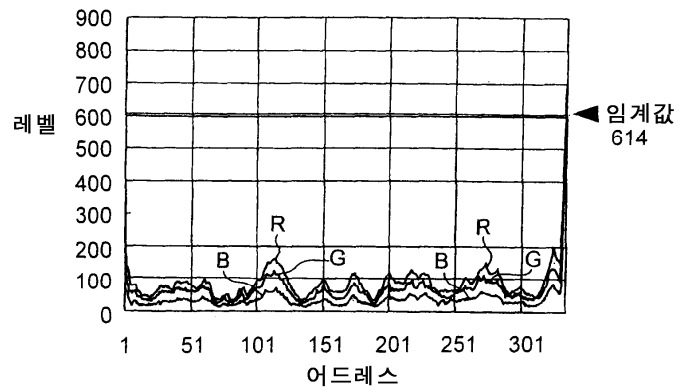
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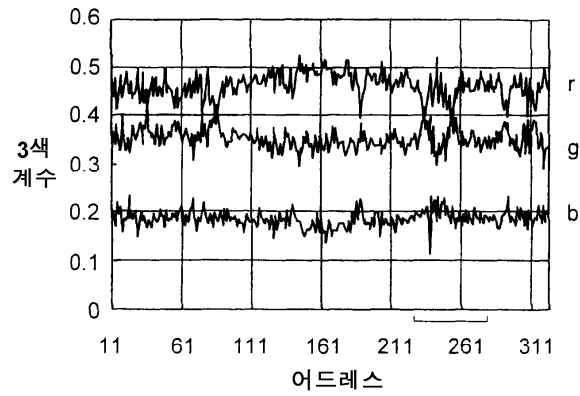
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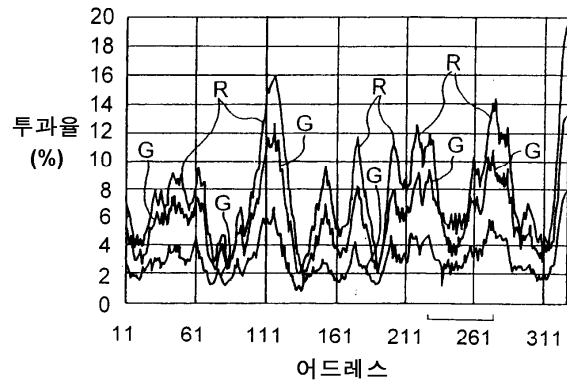
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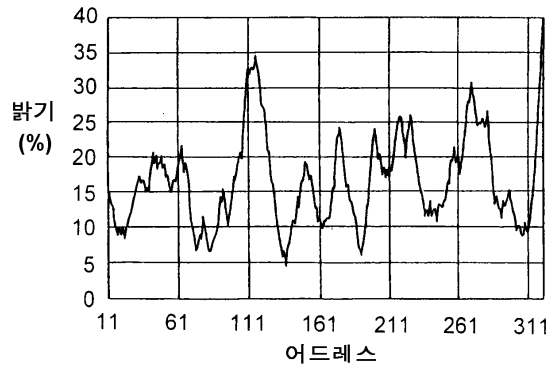
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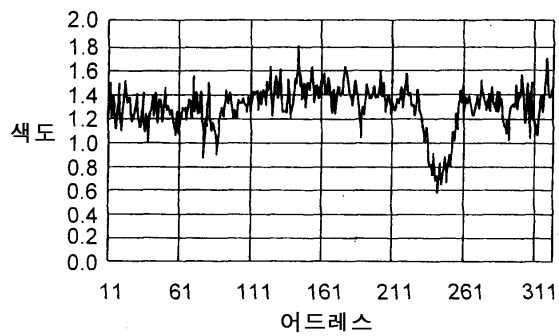
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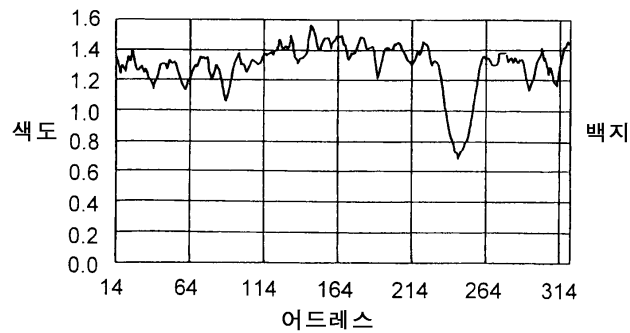
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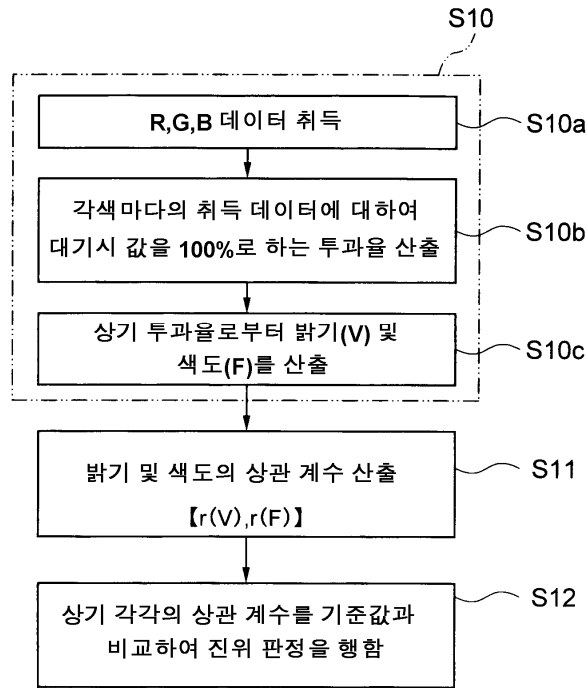
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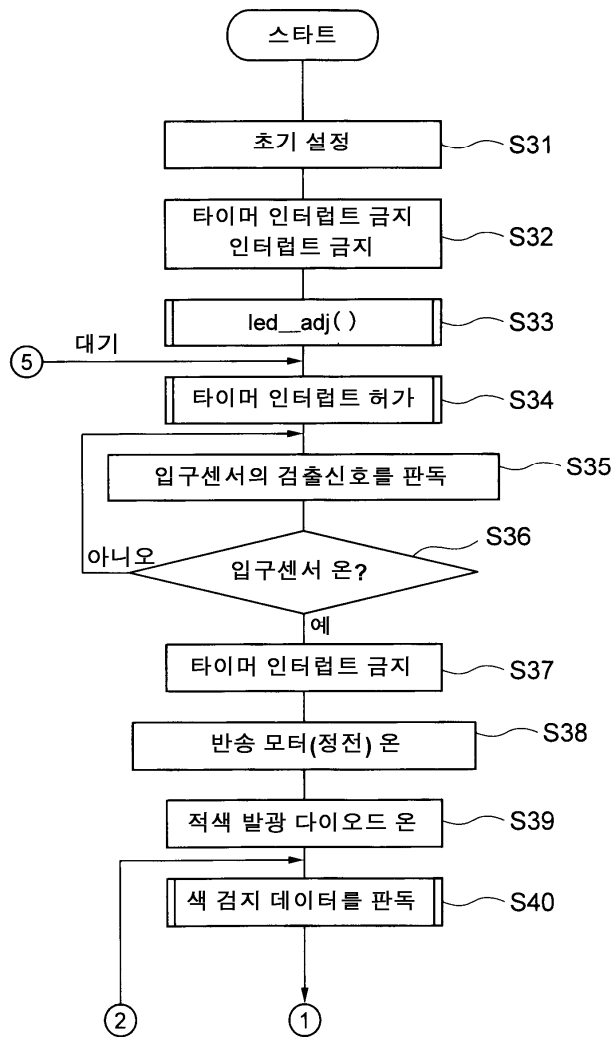
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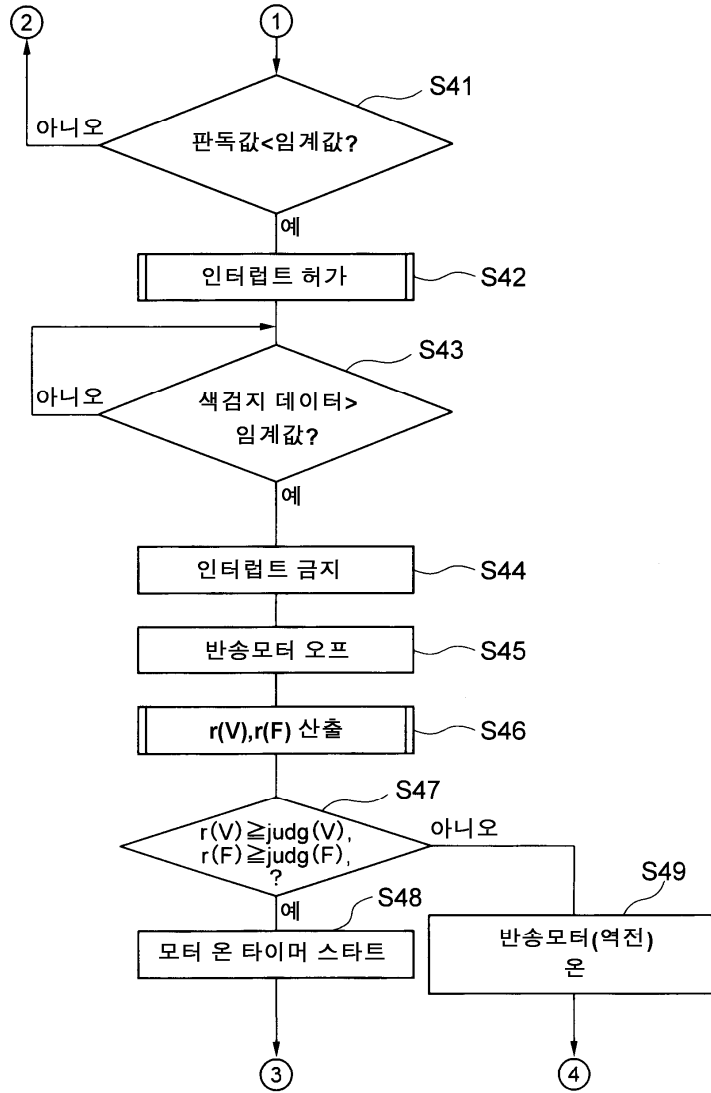
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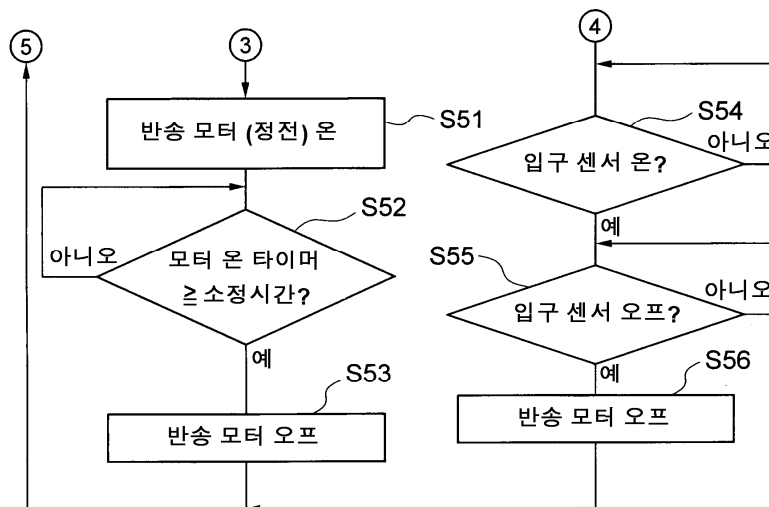
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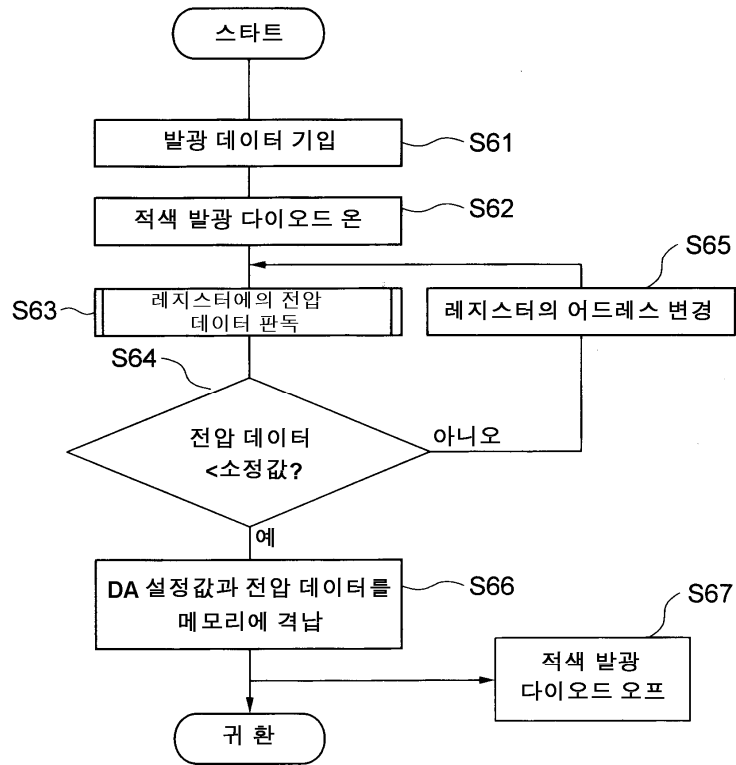
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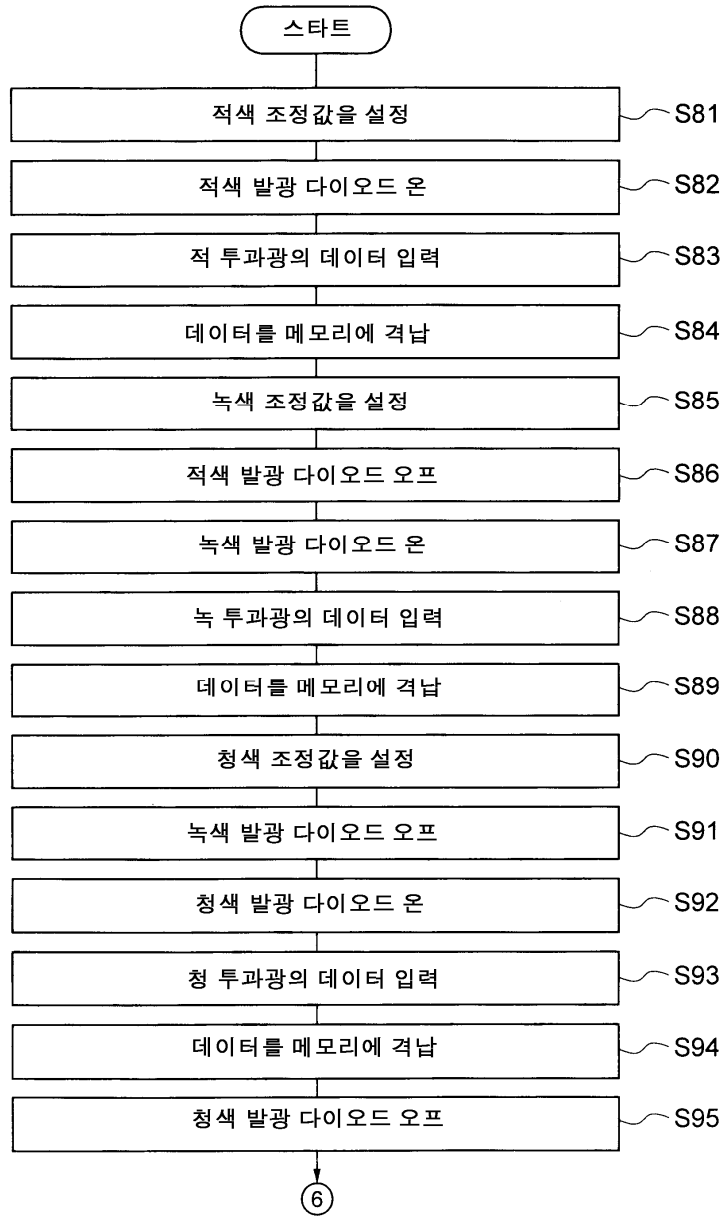
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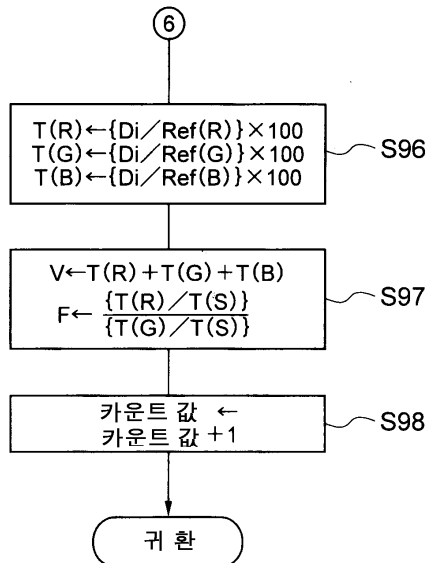
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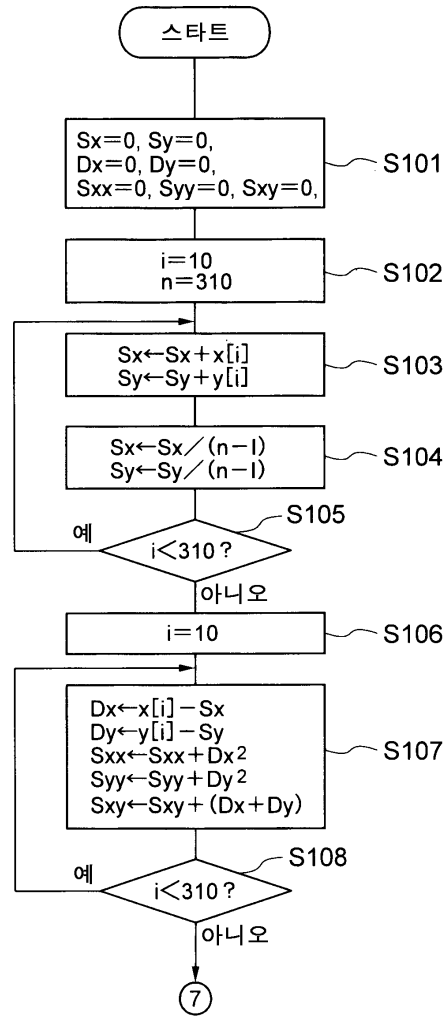
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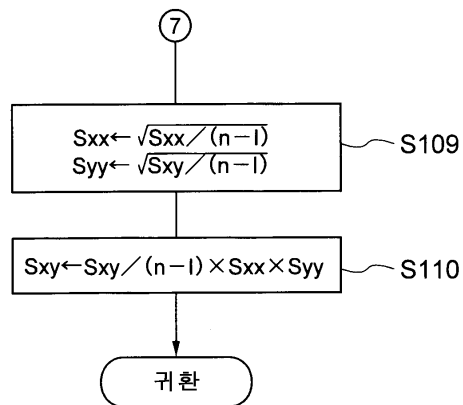
16



17



18



19

