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(B1)(51) 。 Int. Cl.<sup>6</sup>  
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2003 11 28

(21) 10-1996-0010103

(65)

10-1996-0038976

(22) 1996 04 04

(43)

1996 11 21

(30) 195 12 791.9 1995 04 05 (DE)

(73) 80333 2

(72) , - , 82515 60

, 81735 6

, 82178 15

- , 85521 125

(74)

:

(54) 가

가 ,  
.

(SM), (ZPTR) (SPTR, SCG) 가

(ROM) .

1

1 가 .  
2 가 .

3  
4  
가  
가  
1  
가

5 4 1  
6 4 1

\* \*

11, ..., ZS : CLKZ :  
CLKS : ZPTR :  
SPTR,SCH :

가 ,  
,  
,  
/ 가 , 가 가 ,  
) - ( (RO  
M) EP 0 290 942 M N  
,  
가 ,

IBM Technical Disclosure Bulletin, August 1984, pages 1756 and 1757

4,703,453

1

(11,..., ZS) Z S (ZL) (SL)

(SM) 가 (ZL) (CLKZ) (ZPTR) (SPTR) (SCH) (SM) (SPTR) (CLKS) (GD) (GD) (GD) (CLKZ) (CLKS) (CLKV) (CLK) (CLKV) 1 가 Z=7 S=6 (SM) (E) 6

2 (71) (A) FB=2 (SM)

1 가 (ZSW) (SSW) 1 가

가 , S/FB=3  
 $Z*FB=14$  1 (71, 72, 63, 64,  
55, 56, 41, 42, 33, 34, 25, 26, 11, 12)  
FB=2 가 CL  
KZ/CLKS=0.5가 S MOD FB=0 GGT(Z, S/FB)가 1  
, 가 MOD  
, 가  
3 (11,...,45) 가 Z=4 S=5 (SM)  
(41) (A) (15) (E)  
FB=1 , 1  
6 (SM)  
가 (Z  
SW) (SSW) 1  
3 가 ,  $Z*FB=4$  S/FB=5  
1 (41, 32, 23, 14)  
FB=1 가  
CLKZ/CLKS가 1 GGT(Z, S)=1 1  
가 /  
, 4 8 7 가 (11...87) 가 (81)  
(A) (36) (E)  
, (ZSW) 3 SSW 2가 . A E  
, ,  
81, 53, 25, 77, 42, 14, 66,  
31, 83, 55, 27, 72, 44, 16  
61, 33, 85, 57, 22, 74, 46,  
11, 63, 35, 87, 52, 24, 76,  
41, 13, 65, 37, 82, 54, 26,  
71, 43, 15, 67, 32, 84, 56,  
21, 73, 45, 17, 62, 34, 86,  
51, 23, 75, 47, 12, 64, 36,  
 $Z*S$  , 가 FB=1  
(SM) (Z) (S) (ZSW) (SSW)  
GGT(S, SSW) =1  
GGT(Z, (S\*ZSW) MOD Z) = GGT(Z, S\*ZSW) =1 , GGT() 가 , MOD  
3 , GGT(5.1)=1 GGT(4, (5\*1) MOD 4) =1  
GGT(7,2)=1 GGT(8, (7\*3) MOD 8) = GGT(8, (21 MOD 8)) = GGT(8, 5) =1 4  
4 5 (PZ1. . . PZ8) 가  
8 ZSW =3 (ZPTR)

(PZ1 ... PZ8) 1 8 (ZL) PZ8=1 PZ7 ... PZ1=0  
 PZ8=0 PZ7 ... PZ1=1 (PZ8) (CLK) (PZ5)  
 (CLK) (PZ2), (PZ7), (PZ4), (PZ1), (PZ6) (PZ3)  
 5  
 6 (SCH) (SPTR) 4  
 7 SSW=2  
 (PS1 ... PS7) 가  
 PS1=1 PS2 ... PS7 = 0 PS1 = 0 PS2 ... PS7 = 1 (PS1)  
 (PS1) (PS3) 1 (PS5, PS7, PS2, PS6)  
 (CLK) (PS1 ... PS7) (1 ... 7) (SL)  
 90 °

(57)

1. (11 ... ZS) Z S (ZL) (SL) (SM) ;  
 [ ](CLKV) (CLKZ) (CLKZ)  
 (CLKS) ; (CLKZ) (ZSW)  
 (ZPTR) ; (CLKS) (SSW)  
 (SPTR, SCH) ,  
 n , n S m Z , / m m

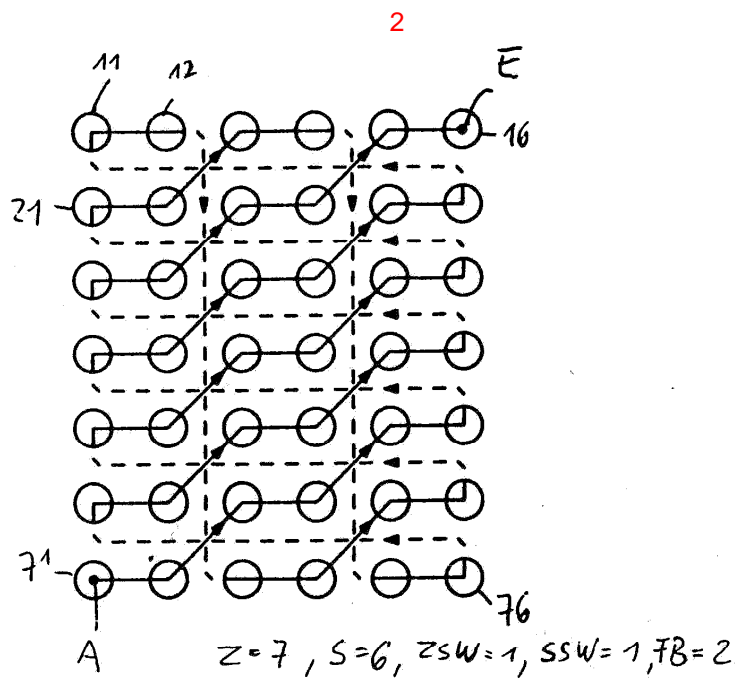
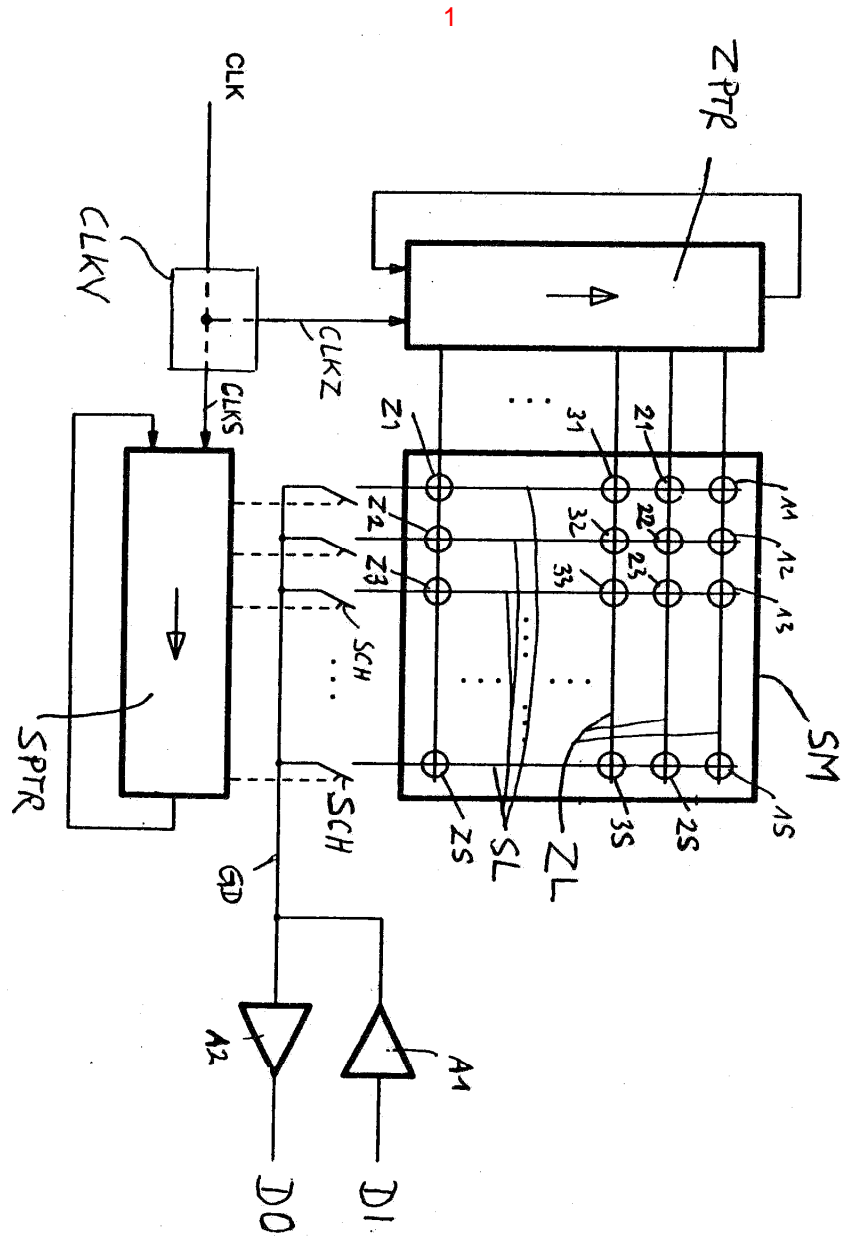
2. 1 (ZPTR) (SPTR, SCH) ( 1 0 가  
 , PZ1 ... PZ8 PS1 ... PS7)  
 , 가 1 S / Z  
 , (ZPTR) (CLKZ) ,  
 (SPTR, SCH) (CLKS)

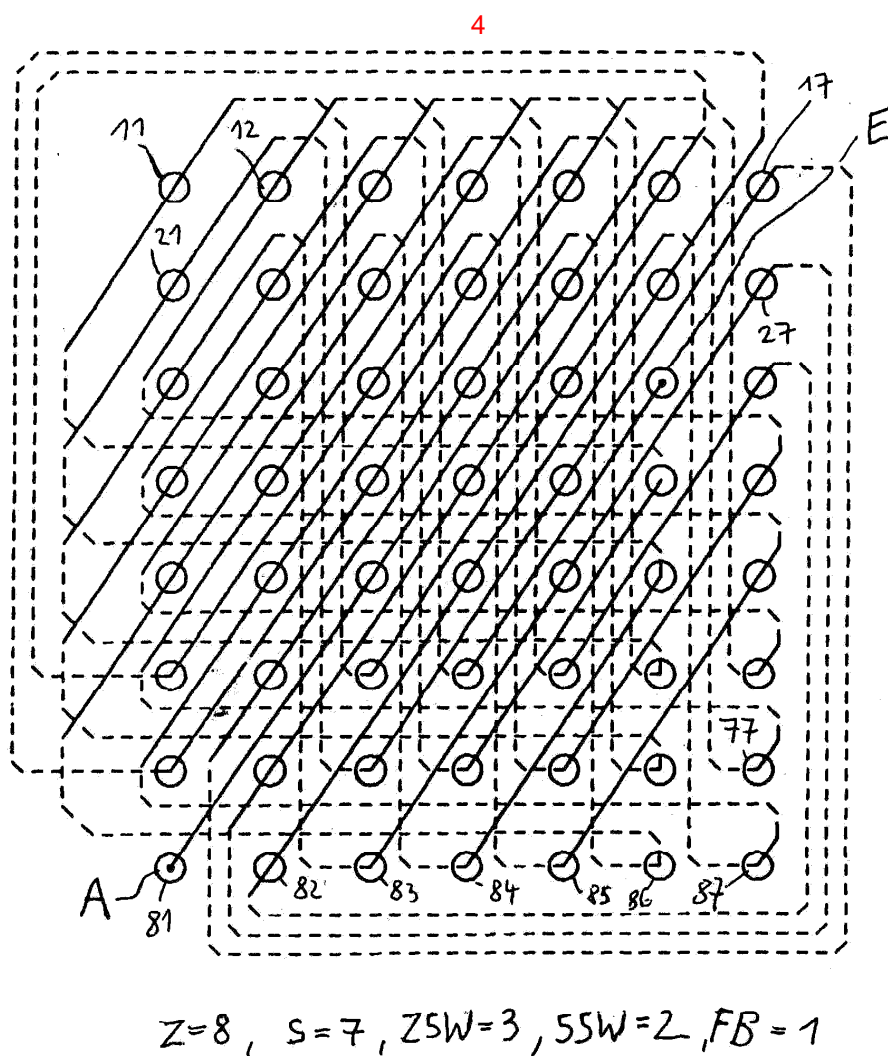
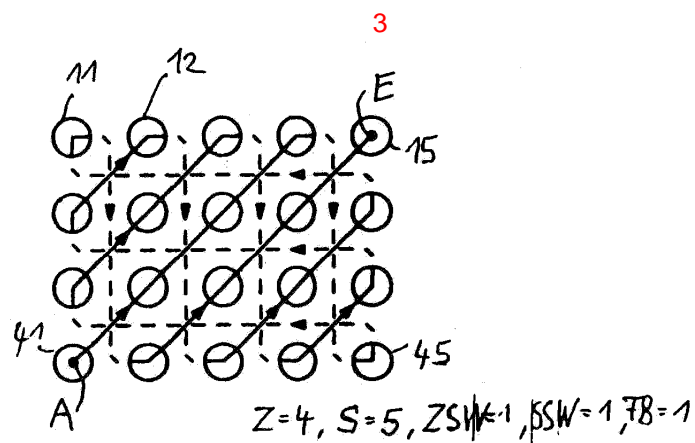
3. 2 (CLKZ) (CLKS) (CLK)

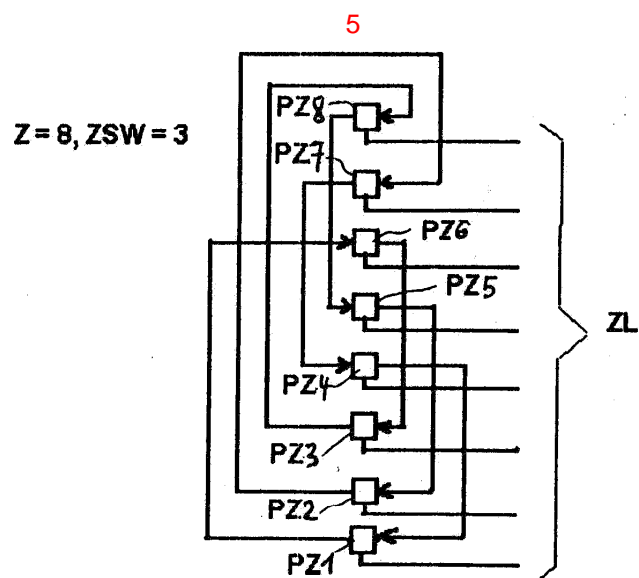
4. 4 (ZPTR) (SPTR, SCH) 가  
 , (SM) (Z) (S), (ZSW) (SSW)

GGT(S, SSW) = 1  
 GGT(Z, (S\*ZSW) MOD Z) = 1 , MOD  
 GGT

5. 2 4 , (ZSW) (SSW)

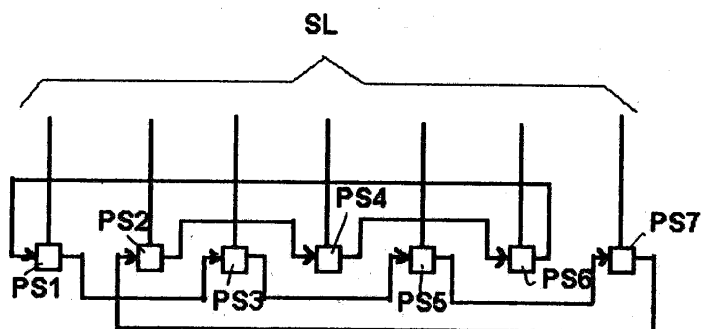






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$S = 7, SSW = 2$



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ZFE GR PA Z  
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