

9370 K-723929

(901) A 458 678
 (908) L 778 678
 (915) B 901

ORIGINAL A-FIELD 87
 ORIGINAL B-FIELD 6

RESULTANT A-FIELD 87
 FIRST RESULTANT B-FIELD A 89
 FINAL RESULTANT B-FIELD 87

SIGNAL NAME	FRAME GATE CH	TEST POINT	LOGIC	CYCLE																			
				17	A	B	A	B	B-READR	B-READR	B-READR	T OP											
				3	6	9	0	3	6	9	0	3	6	9	0	3	6	9	0	3	6	9	0
1 STORAGE ADDRESS REGISTER			32.35.XX.2	908	458	678	458	678															
2 B-REGISTER			35.11.XX.2	BC21	CB421	42	CB421	AB42	ABB1	ABB1	B2	BC21											
3 A-REGISTER			35.11.XX.2			CB 421		CB 421			ABB1	BAB											
4 +U ADD OPERATION	01B1		35.24.11.2	OP DECODE AB 1 B 4 2																			
5 -T ADD OR SUBT OPERATION	01B1		35.27.11.2																				
6 -T ARITH OPERATION	01B1		35.27.11.2																				
7 -T GATED WORD MARK	01B2		31.07.11.2	B WM																			
8 -T T-E CHANGE	01B2		31.05.31.2																				
9 +U DELTA I-CYCLE	01B2		31.21.11.2																				
10 -T I-CYCLE LATCH	01B2		31.24.11.2																				
11 +U I-STAR RESTORE GATE	01A7		32.39.11.2																				
12 +U DELTA A-CYCLE LATCH	01B2		31.22.11.2	RESET #4																			
13 -T A-CYCLE LATCH	01B2		31.25.11.2	NOT 8																			
14 -T DELTA B-CYCLE LATCH	01B2		31.23.11.2	B 15																			
15 +U B-CYCLE	01B2		31.26.11.2																				
16 -T FIRST B-CYCLE TR	01B3		34.31.13.2	6 7 10 15 NOT 38 34 NOT 35 15 NOT 38																			
17 -T SECOND B-CYCLE TR	01B3		34.31.13.2	5 16 NOT 9 34 15 NOT 38																			
18 -T B-REGISTER WORD MARK INHIBIT	01A3		35.18.21.2	NOT MANUAL ENTRY																			
19 -T B-REGISTER C-BIT INHIBIT	01A3		35.18.21.2	9 NOT MANUAL ENTRY 36 36																			
20 -T B-REGISTER ZONE INHIBIT	01A3		35.18.21.2	9 NOT MANUAL ENTRY 17 5 36																			
21 -T B-REGISTER DIGIT INHIBIT	01A3		35.18.31.2	5 16 NOT 34 36 36																			
22 -T ARITH ZONE INHIBIT	01A3		35.18.51.2	16 26 NOT 34 34 NOT 38																			
23 -T ARITH DIGIT INHIBIT	01A3		35.18.51.2	5 NOT 25 35 38 NOT 35 38 34 NOT 35 38																			
24 +U INHIBIT C-ZONE	01A3		35.15.11.2	20																			
25 +U TRANSFER STAR	01B3		34.31.13.2	5 16 NOT 9 34 NOT 16																			
26 +U COMPLEMENT LATCH	01B3		34.31.11.2	15 16 A-REG NOT A B-REG PLUS NOT 34 10																			
27 -T ADDER CARRY	01B3		34.31.15.2																				
28 -T CARRY TRIGGER	01B3		34.31.14.2	5 16 26 27 NOT 35 NOT 38																			
29 +U ARITH READDRESS	01B3		34.31.16.2	5 26 NOT 27 34 29																			
30 +U A WORD MARK LATCH	01B2		31.06.11.2	30																			
31 +U A-CYCLE ELIMINATE	01B2		31.06.11.2	30																			
32 -T READDRESS LATCH	01B2		31.04.11.2	29 37 38																			
33 +U REVERSE SCAN TRIGGER	01B2		31.04.11.2	29 37																			
34 +U RECOMPLEMENT LATCH	01B3		34.31.17.2	5 35 NOT 10																			
35 +U CYCLE CNTRL REVERSE SCAN	01B2		31.04.11.2	33 33																			
36 +U TRANSFER B-REGISTER	01A3		35.18.11.2	10 NOT 13 13 NOT 13 5 35 NOT 35																			
37 +U REVERSE SCAN READDRESS	01B3		34.31.16.2	B-REG B NOT 16 5 35 11																			
38 -T READDRESS TRIGGER	01B3		34.31.17.2	15 34 NOT 35																			
39 -T FORCE B 2	01A3		35.18.31.2	NOT BLOCK OP 34 AND B-CYCLE 38																			
40 +U MODIFIER CONTROL 1	01A8		32.42.11.2	7 10																			
41 +U MODIFIER CONTROL - 1	01A8		32.42.11.2																				
42 -T MODIFIER CONTROL XFER	01A8		32.42.41.2	25																			
43 MODIFIER OUTPUT ON BUS LINES			32.43.11.2	909/908	458	678	457	677	679	677	677	909											
44 DATA ON INHIBIT DRIVE LINES				B C 21	CB421	AB42	CB421	ABB1	ABB1	B2	B1	BC21											

NO ADDRESS MODIFICATION FIRST FORWARD SCAN REVERSE SCAN SECOND FORWARD SCAN

DATE	CHANGE NO.	DATE	CHANGE NO.	INTERNATIONAL BUSINESS MACHINES CORP
1-10-62	113430 D	31.7.62	TA 1370 K	NAME: FIGURE 5 COMPLEMENT ADD-DNE CHARACTER FIELD
CHECK	APPRO	TYPE	SCALE	NONE
			VE	1-16-62