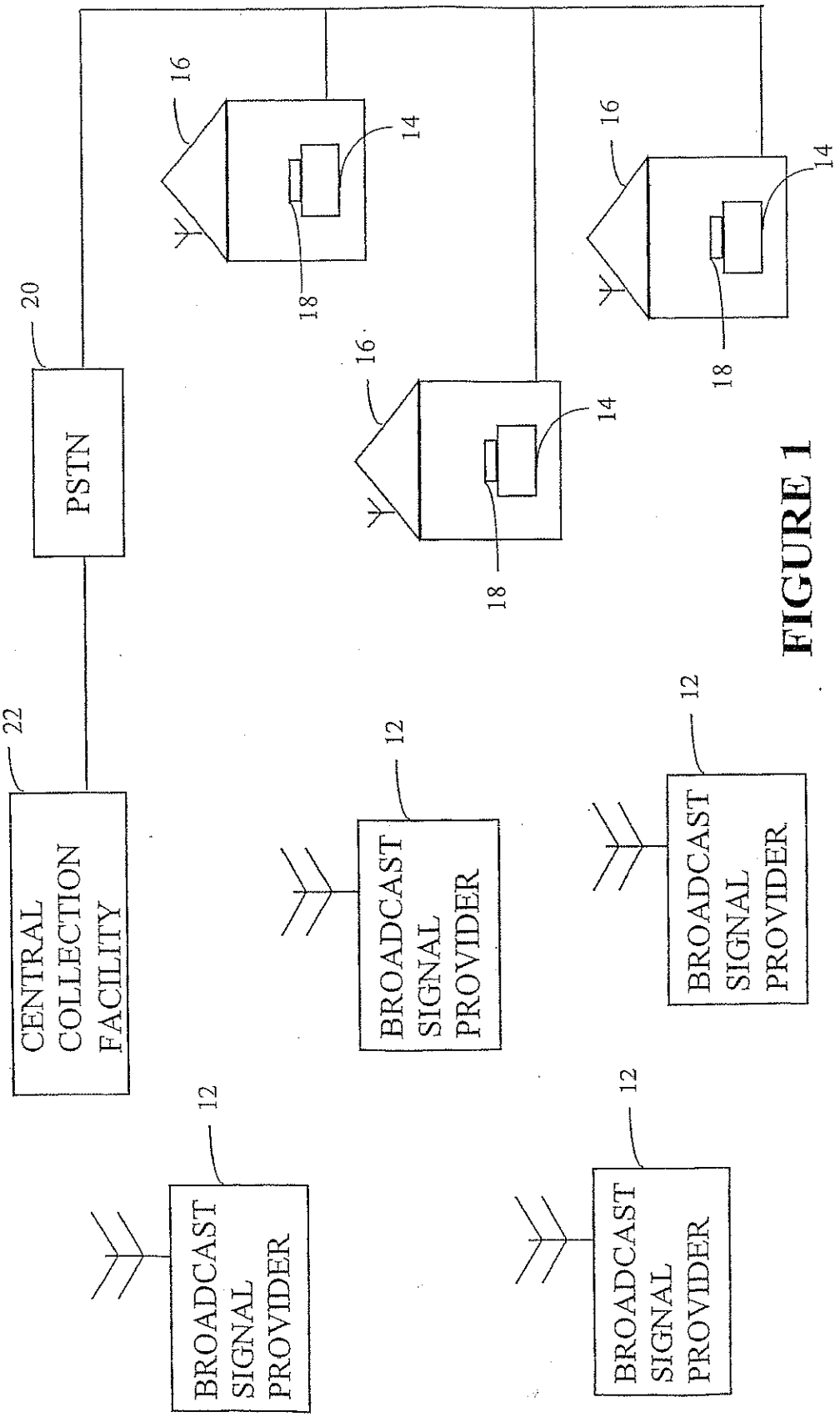

CENTRAL COLLECTION FACILITY
22
PSTN
20
BROADCAST SIGNAL PROVIDER
12
BROADCAST SIGNAL PROVIDER
12
BROADCAST SIGNAL PROVIDER
12
BROADCAST SIGNAL PROVIDER
12
16
14
18
16
14
18
16
14
18

FIGURE 1

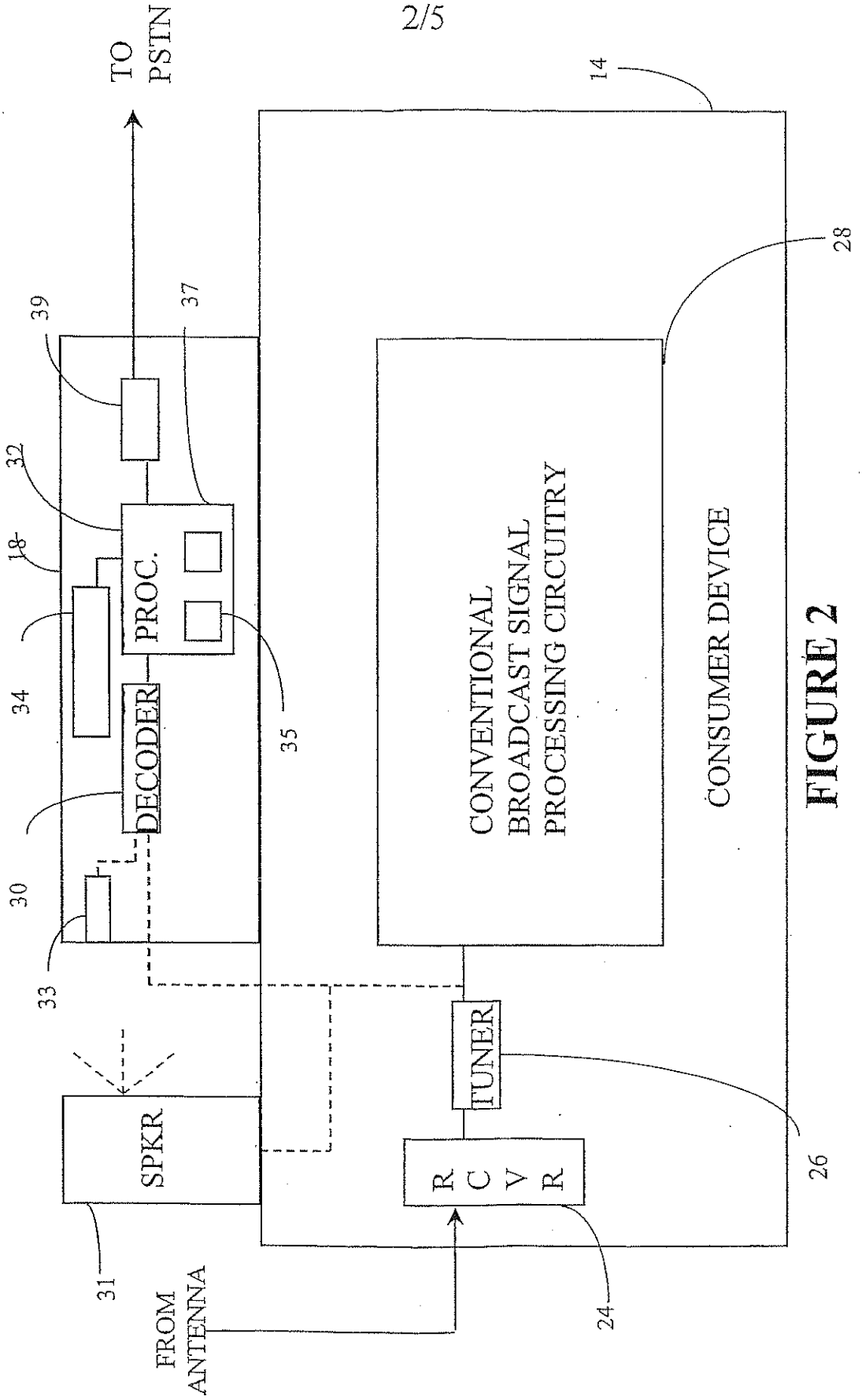
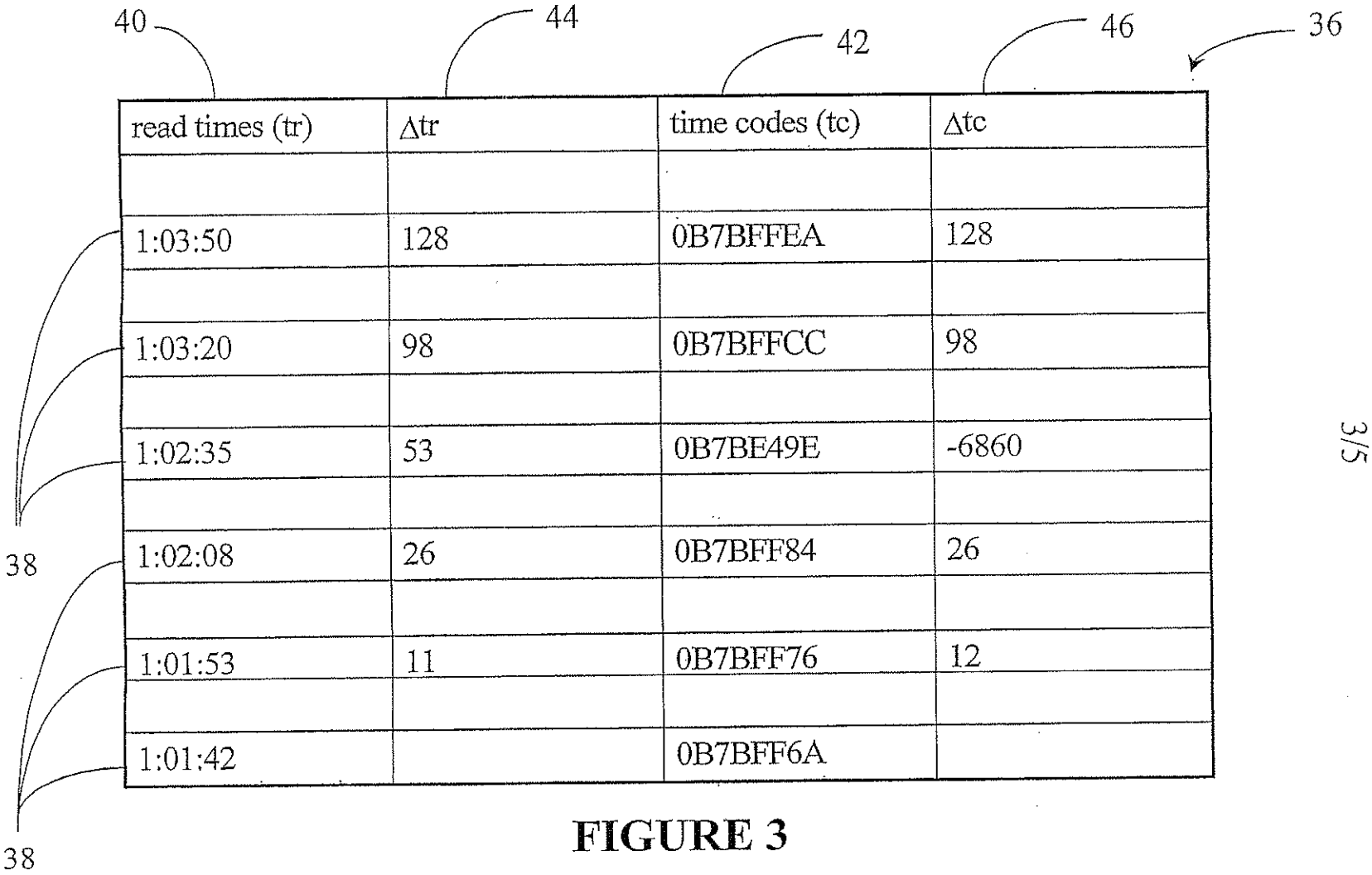

TO PSTN
14
28
39
37
32
18
PROC.
34
DECODER
35
30
33
CONVENTIONAL BROADCAST SIGNAL PROCESSING CIRCUITRY
CONSUMER DEVICE
SPKR
TUNER
RCVR
26
31
FROM ANTENNA
24

FIGURE 2



read times (tr)	Δtr	time codes (tc)	Δtc
1:03:50	128	0B7BFFEA	128
1:03:20	98	0B7BFFCC	98
1:02:35	53	0B7BE49E	-6860
1:02:08	26	0B7BFF84	26
1:01:53	11	0B7BFF76	12
1:01:42		0B7BFF6A	

FIGURE 3

18 JAN 2007

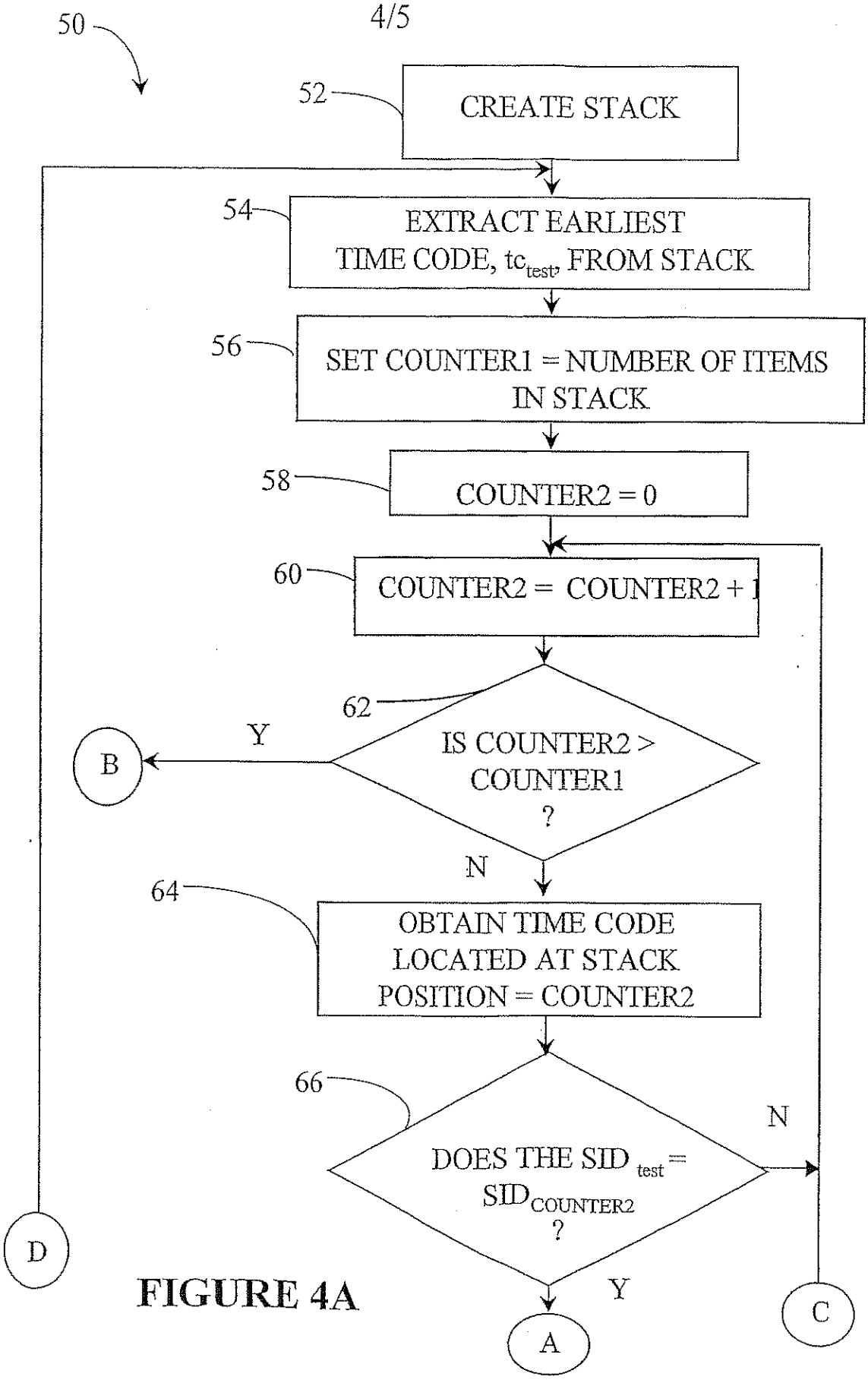
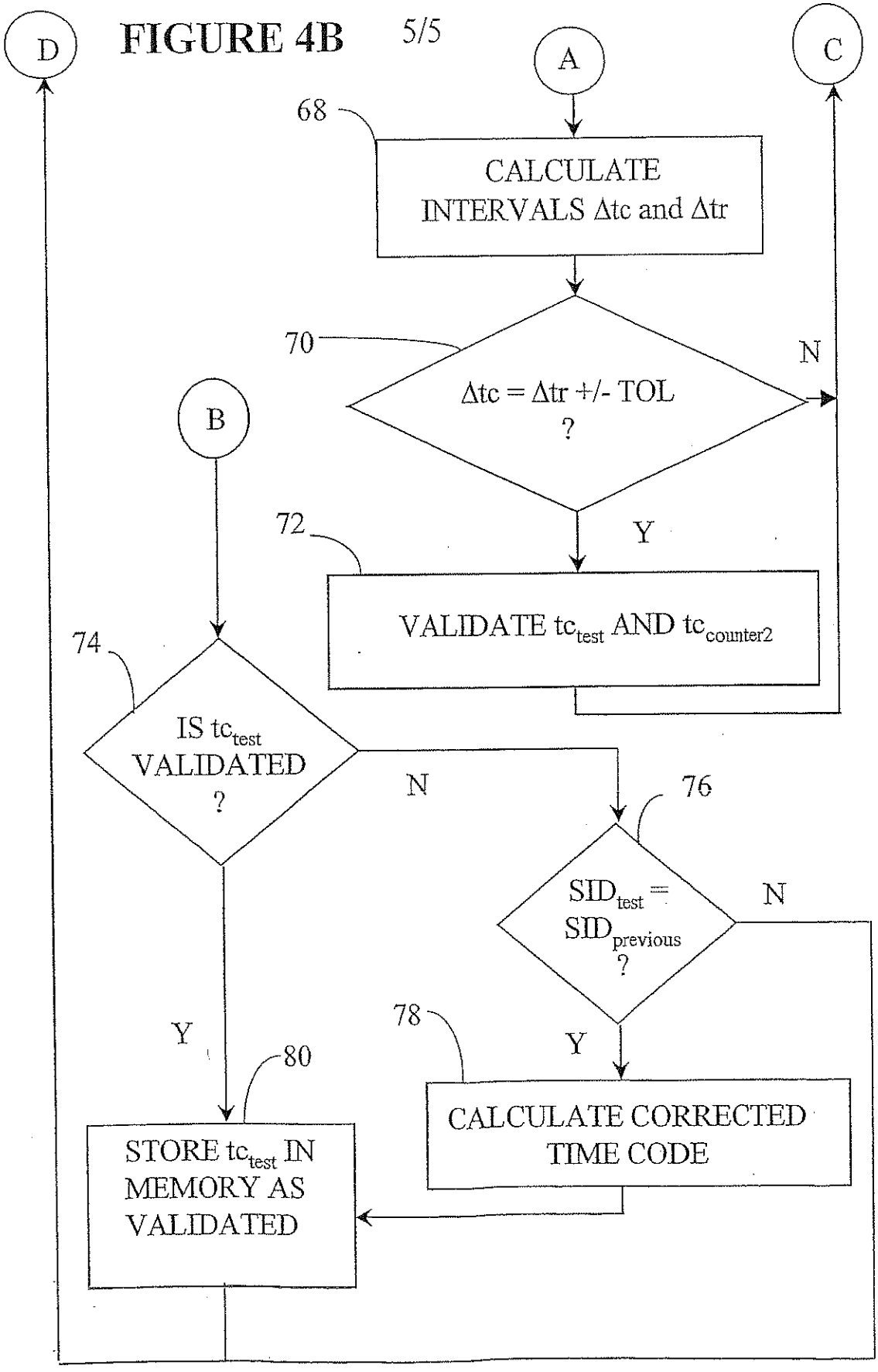

50
52
CREATE STACK
54
EXTRACT EARLIEST TIME CODE, tc_{test}, FROM STACK
56
SET COUNTER1 = NUMBER OF ITEMS IN STACK
58
COUNTER2 = 0
60
COUNTER2 = COUNTER2 + 1
62
IS COUNTER2 > COUNTER1 ?
Y
B
N
64
OBTAIN TIME CODE LOCATED AT STACK POSITION = COUNTER2
66
DOES THE SID_{test} = $SID_{COUNTER2}$?
N
Y
C
A
D

FIGURE 4A

FIGURE 4B 5/5


D
A
C
68
CALCULATE INTERVALS Δtc and Δtr
70
Δtc = Δtr +/- TOL ?
N
Y
B
72
VALIDATE tc_{test} AND $tc_{counter2}$
74
IS tc_{test} VALIDATED ?
N
76
SID_{test} = $SID_{previous}$?
N
Y
78
Y
80
CALCULATE CORRECTED TIME CODE
STORE tc_{test} IN MEMORY AS VALIDATED