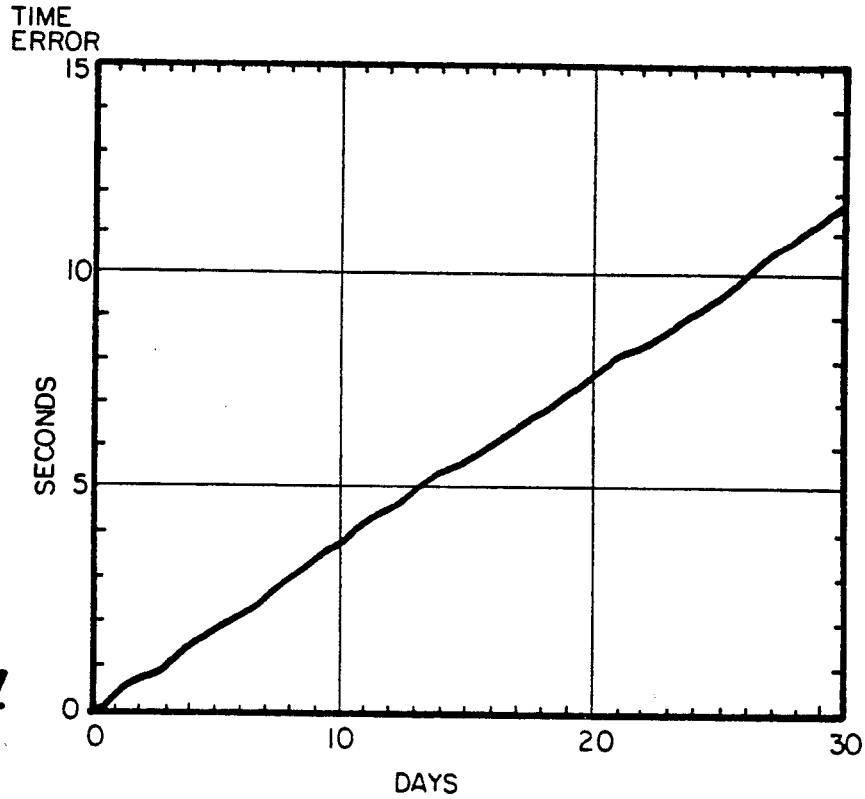
TIME
ERROR
SECONDS
15
10
5
0
0
10
20
30
DAYS

Fig_1

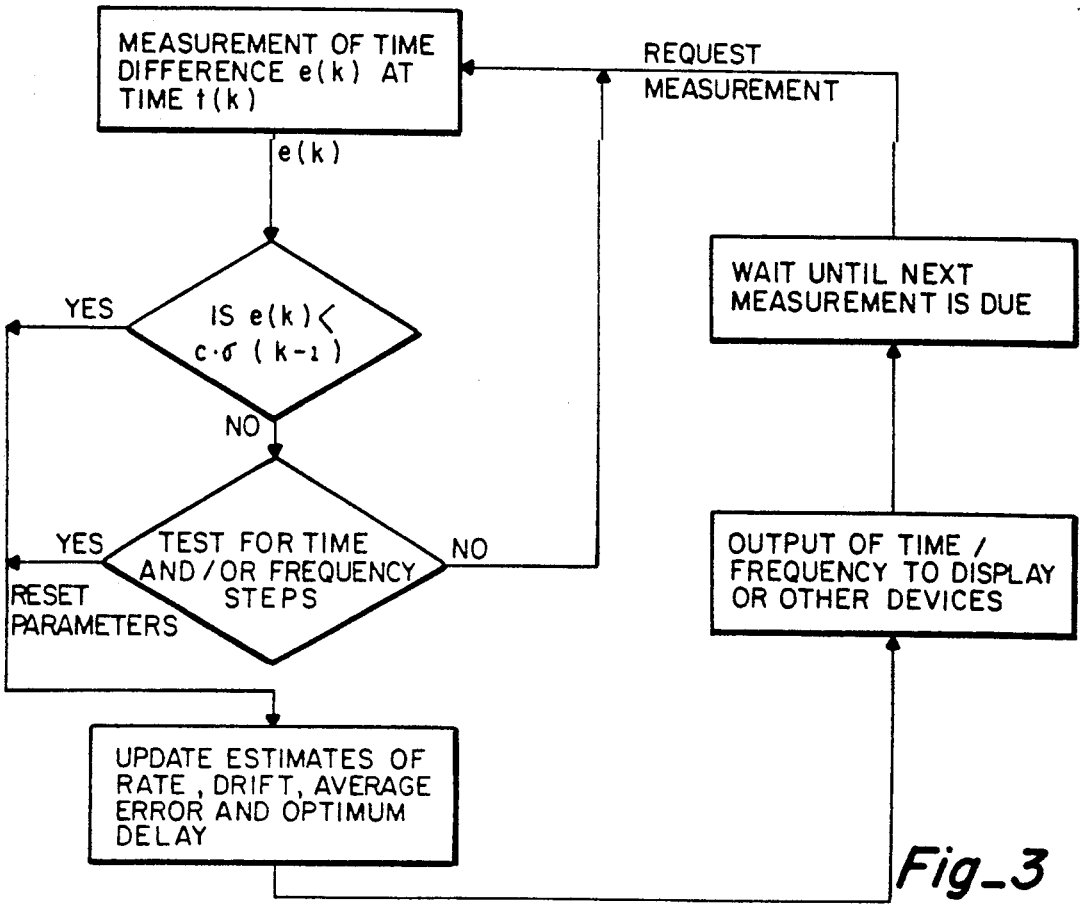
MEASUREMENT OF TIME DIFFERENCE e(k) AT TIME t(k)
REQUEST MEASUREMENT
e(k)
WAIT UNTIL NEXT MEASUREMENT IS DUE
YES
IS e(k) < c·σ (k-1)
NO
YES
TEST FOR TIME AND/OR FREQUENCY STEPS
NO
RESET PARAMETERS
OUTPUT OF TIME / FREQUENCY TO DISPLAY OR OTHER DEVICES
UPDATE ESTIMATES OF RATE, DRIFT, AVERAGE ERROR AND OPTIMUM DELAY

Fig_3