

ABSTRACT

HIGHLY STABLE FREQUENCY GENERATOR

The highly stable frequency generator (G) comprises an oscillator (10) for generating a first frequency (F1).

This generator further comprises a time base (BT) providing a time stable frequency signal which is independent of the temperature, and feedback means arranged to provide a first number of pulses (n_T) coming from said oscillator (10) to comparing means (13), means (14) for providing a reference number of pulses (N_T) to said comparing means (13), and means (13,15,16) providing a correction signal (Sc) as a function of the difference (Δ) between the first number (n_T) and the reference number (N_T), said generator (G) further comprising a correction circuit (17) of the oscillation frequency (F1) of said first oscillator (10), this correction circuit being controlled by said control signal (Sc).

Figure 3 of the drawings should accompany the abstract when published

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100