

ABSTRACT:

Device of the phase-locked loop type for demodulating a frequency-modulated signal.

Device for frequency demodulation, using a phase-locked loop.

According to the invention, for linearizing the variation of the frequency of a local oscillator (11) as a function of its control signal (V_b), a variable capacitance (C_v) is formed by an electronic module (20) which supplies the equivalent of a capacitance whose variation as a function of the control voltage (V_b) has a linearity deviation which is established for compensating the linearity deviation of the frequency of the oscillator as a function of the value of the capacitance (C_v).

Application: Demodulation of frequency-modulated signals, notably satellite television signals.

Reference: Fig. 1.

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