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VOLTAGE-CONTROLLED OSCILLATOR HAVING A BANDPASS FILTER

ABSTRACT OF THE DISCLOSURE

A voltage-controlled oscillator (VCO) having a bandpass filter includes an oscillation circuit and a bandpass filter. The oscillation circuit outputs a first oscillation frequency with a harmonic distortion according to a tuning voltage. The first oscillation frequency is
5 then input to the bandpass filter and the harmonic distortion of the first oscillation frequency is filtered. Therefore, a second oscillation frequency without the harmonic distortion is output from the bandpass filter. The invention is characterized by that the bandpass filter that removes the harmonic distortion from the VCO.

[Fig. 2]



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