

Abstract

Oscillator Circuit

5 An oscillator circuit (101) includes a capacitor (21), a current control circuit (1) having control outputs coupled to either side of the capacitor (21) and a comparator (7) having respective inputs coupled to the respective control outputs of the current control circuit (1). Diodes (17 and 18) are coupled between the control
10 outputs of the current control circuit (1) and a voltage supply. Switching devices (8 and 9) have control inputs to receive a balanced output from the comparator (7) for selectively switching the diodes into current paths with the control outputs of the current control circuit (1) for absorbing current from the control outputs in order to
15 provide a voltage level on the inputs of the comparator (7). An output (V_1 and V_2) is provided at one or both sides of the balanced output of the comparator (7) for providing an oscillating output signal.

20 FIG. 2