

VOLTAGE CONTROLLED OSCILLATOR
WITH LOW OPERATING SUPPLY VOLTAGE

5

Abstract of the Disclosure

A voltage controlled oscillator (VCO) circuit (10) for
operating at low supply voltages has been provided. The VCO
circuit includes an oscillation stage which utilizes a negative
10 resistance technique for oscillation and includes a first inductor
(38) for allowing the oscillation stage to operate at low supply
voltages. The VCO circuit also includes an output stage which
includes a second inductor (52) and a first capacitor (51) for
allowing the output resistance of the VCO circuit to be adjusted
15 for maximum output drive capability.

FIG. 1 accompanies this abstract.