

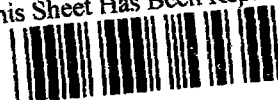
ABSTRACT OF THE DISCLOSURE

PHASE-LOCKED LOOP CIRCUIT AND
RADIO COMMUNICATION APPARATUS USING THE SAME

A phase-locked loop circuit includes a current output type phase comparator for converting a phase difference of a first signal and a second signal into a current signal to be produced, a low pass filter for filtering the current signal of the current output type phase comparator to produce an output signal, a voltage controlled oscillator for producing a signal having a frequency corresponding to the output signal of the low pass filter and a frequency converter for frequency-converting the output signal of the voltage controlled oscillator to produce a second signal.

(Figure 1)

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