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(54) **OSCILLATION DEVICE AND METHOD FOR OSCILLATION THEREOF**

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(57)

ABSTRACT

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(2006.01)

The present application discloses an oscillation device and a method for oscillation thereof, in which a control signal is generated from a control circuit to a ring oscillation circuit. The ring oscillation circuit generates an oscillation signal with a first signal frequency at start up oscillation, firstly. Further, the ring oscillation circuit modulates an oscillation frequency to drive the oscillation signal change from the first signal frequency to a higher second signal frequency. Thus, the present application provides the ring oscillation device generating the oscillation signal with a lower frequency at starting up oscillation, and then make the oscillation signal change to a higher frequency. Hereby, the present application provides the oscillation signal operated at a higher operating frequency.

