

Title (en)

INTEGRATED RELAXATION VOLTAGE CONTROLLED OSCILLATOR AND METHOD OF VOLTAGE CONTROLLED OSCILLATION

Title (de)

INTEGRIERTER RELAXATIONSSPANNUNGSGESTEUERTER OSZILLATOR UND VERFAHREN ZUR SPANNUNGSGESTEUERTEN OSZILLATION

Title (fr)

OSCILLATEUR INTEGRE A RELAXATION COMMANDE EN TENSION ET PROCEDE D'OSCILLATION COMMANDEE EN TENSION

Publication

**EP 1894299 A1 20080305 (EN)**

Application

**EP 05760643 A 20050615**

Priority

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Abstract (en)

[origin: WO2007001255A1] Method and apparatus are provided for integrated relaxation voltage controlled oscillation. An oscillation circuit for transmitting a clock signal is provided comprising a current source (12) having a first input configured to receive a first reference potential and having a second input configured to receive a signal having a pre-determined period, and a voltage controlled oscillator (VCO) (14) coupled to the current source. The current source comprises a first capacitance (CY) and is configured to generate a reference current directly proportional to the first capacitance. The VCO has an input configured to receive the reference current. The VCO comprises a second capacitance (CX) and is configured to generate the clock signal having a period directly proportional to a ratio of the second capacitance to the first capacitance.

IPC 8 full level

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