

Title (en)

OSCILLATOR ARRANGEMENT AND METHOD FOR PRODUCING A PERIODIC SIGNAL

Title (de)

OSZILLATORANORDNUNG UND VERFAHREN ZUM ERZEUGEN EINES PERIODISCHEN SIGNALS

Title (fr)

ENSEMBLE OSCILLATEUR, ET PROCEDE POUR GENERER UN SIGNAL PERIODIQUE

Publication

**EP 1925078 A1 20080528 (DE)**

Application

**EP 06777137 A 20060831**

Priority

- EP 2006008541 W 20060831
- DE 102005043376 A 20050912

Abstract (en)

[origin: WO2007031200A1] The invention relates to an oscillator arrangement. The aim of the invention is to improve a relaxation oscillator. For this purpose, the comparator (2) for comparing the voltage on a charge accumulator (1) with a switch limit ( $V_{\text{TH}}$ ) is a current comparator having two current paths (5, 6). One of said current paths is adapted to carry a charge or discharge current of the charge accumulator (1). In this manner, one current path is eliminated, thereby rendering the principle preferably suitable for so-called ultra-low power applications.

IPC 8 full level

**H03K 3/012** (2006.01); **H03K 3/0231** (2006.01)

CPC (source: EP US)

**H03K 3/012** (2013.01 - EP US); **H03K 3/0231** (2013.01 - EP US)

Citation (search report)

See references of WO 2007031200A1

Designated contracting state (EPC)

FR GB IT

DOCDB simple family (publication)

**WO 2007031200 A1 20070322**; DE 102005043376 A1 20070322; DE 102005043376 B4 20130801; EP 1925078 A1 20080528; US 2010231312 A1 20100916; US 8242852 B2 20120814

DOCDB simple family (application)

**EP 2006008541 W 20060831**; DE 102005043376 A 20050912; EP 06777137 A 20060831; US 99199006 A 20060831