

Title (en)

TEMPERATURE COMPENSATED FREQUENCY ADJUSTMENT IN A METER READING ENDPOINT

Title (de)

FREQUENZEINSTELLUNG MIT TEMPERATURAUSGLEICH IN EINEM MESSGERÄTEABLESUNGSENDPUNKT

Title (fr)

AJUSTEMENT DE FRÉQUENCE COMPENSÉ EN TEMPÉRATURE DANS UN POINT D'EXTRÉMITÉ DE LECTURE DE COMPTEUR

Publication

EP 2774270 A1 20140910 (EN)

Application

EP 12846716 A 20121031

Priority

- US 201113289237 A 201111104
- CA 2758362 A 201111114
- US 2012062688 W 20121031

Abstract (en)

[origin: WO2013066939A1] The presently disclosed subject matter is directed to methods and apparatus enabling production of a stable output from a phase locked loop (PLL) circuit. A crystal controlled oscillator provides a reference signal to the PLL circuit. Temperature variations associated with the crystal cause variations in the operating frequency of the crystal that result in variations of the PLL output frequency. The presently disclosed subject matter compensates for such variations in frequency output by modifying an operation of the PLL circuit based on the temperature variations so that the output frequency remains stable even with temperature induced variations in the reference signal.

IPC 8 full level

H03L 1/04 (2006.01); **H01L 35/00** (2006.01); **H03L 7/06** (2006.01)

CPC (source: EP)

H03L 1/027 (2013.01); **H03L 7/18** (2013.01)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

WO 2013066939 A1 20130510; EP 2774270 A1 20140910; EP 2774270 A4 20150701

DOCDB simple family (application)

US 2012062688 W 20121031; EP 12846716 A 20121031