

Title (en)

SIGNAL MODULATOR FOR ANALOG/DIGITAL CONVERTER

Title (de)

SIGNALMODULATOR FÜR ANALOG/DIGITAL-WANDLER

Title (fr)

MODULATEUR DE SIGNAL POUR CONVERTISSEUR ANALOGIQUE/NUMÉRIQUE

Publication

EP 2220770 A1 20100825 (DE)

Application

EP 08859573 A 20081020

Priority

- EP 2008064106 W 20081020
- AT 20072007 A 20071212

Abstract (en)

[origin: WO2009074386A1] Signal modulator for analog/digital converter comprising: a first modulator stage having an input for the analog input signal, a comparator (U1) configured to compare the output signal of the first modulator stage to a voltage value (P1), a quantizer (D1) configured to generate a series of digital signals by scanning the output signal of the comparator (U1) with a scanning frequency, and a feedback loop, which feeds the output signal of the quantizer back to the first modulator step, wherein it is provided according to the invention that the first modulator stage is formed by at least one RC member (R1C1), and the feedback loop connects the output of the quantizer (D1) to the output of the at least one RC member (R1C1).

IPC 8 full level

H03M 3/02 (2006.01)

CPC (source: EP)

H03M 3/454 (2013.01); **H03M 3/43** (2013.01)

Citation (search report)

See references of WO 2009074386A1

Designated contracting state (EPC)

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

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

WO 2009074386 A1 20090618; AT 506180 A1 20090615; AT 506180 B1 20120515; EP 2220770 A1 20100825

DOCDB simple family (application)

EP 2008064106 W 20081020; AT 20072007 A 20071212; EP 08859573 A 20081020