

Title (en)

ANALOG ELECTRONIC CIRCUIT FOR PROCESSING A LIGHT SIGNAL, AND CORRESPONDING PROCESSING SYSTEM AND METHOD

Title (de)

ANALOGER ELEKTRONISCHER SCHALTKEIS ZUR VERARBEITUNG EINES LICHTSIGNALS SOWIE ENTSPRECHENDES VERARBEITUNGSSYSTEM UND -VERFAHREN

Title (fr)

CIRCUIT ÉLECTRONIQUE ANALOGIQUE DE TRAITEMENT D'UN SIGNAL LUMINEUX, SYSTÈME ET PROCÉDÉ DE TRAITEMENT CORRESPONDANTS

Publication

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Application

EP 11719328 A 20110401

Priority

- FR 1052535 A 20100402
- FR 2011050746 W 20110401

Abstract (en)

[origin: WO2011121258A1] The invention relates to an analog electronic circuit (2) for processing a light signal (4), which includes: a photodetector (6) suitable for producing an electric signal (8) from the light signal (4); a multiplier (12) suitable for multiplying the electric signal (8) by a reference signal (14) in order to obtain a multiplied signal (16); and an integrator (18) suitable for integrating the multiplied signal (16) over at least one time interval, in order to obtain at least one integrated signal, characterised in that said circuit also includes: an analog memory (24) suitable for storing the integrated signal; and a processing unit suitable for estimating a time correlation of the light signal (4) according to the integrated signal stored in the memory.

IPC 8 full level

G06G 7/19 (2006.01)

CPC (source: EP US)

G06G 7/1928 (2013.01 - EP US)

Citation (examination)

M. ISMAIL, S. V. SMITH, R. G. BEALE: "A new MOSFET-C universal filter structure for VLSI", IEEE JOURNAL OF SOLID-STATE CIRCUITS, vol. 23, no. 1, February 1988 (1988-02-01), pages 183 - 194, XP001067810, DOI: 10.1109/4.276

Designated contracting state (EPC)

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DOCDB simple family (publication)

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