Title (en)
ELECTRONIC DEVICE FOR BASELINING THE CURRENT EMITTED BY ELECTROMAGNETIC RADIATION DETECTORS

Title (de)
ELEKTRONISCHE BASELINING-VORRICHTUNG FÜR DEN VON ELEKTROMAGNETISCHEN STRAHLUNGSDETEKTOREN EMITTIERTEN STROM

Title (fr)
DISPOSITIF ELECTRONIQUE D'EBASAGE DU COURANT ISSU DE DETECTEURS DE RAYONNEMENT ELECTROMAGNETIQUE

Publication
EP 2435807 A1 20120404 (FR)

Application
EP 10724045 A 20100527

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- FR 0953503 A 20090527

Abstract (en)
[origin: WO2010136521A1] The invention relates to a microelectronic device for electromagnetic radiation measurement including: at least one detector (102) such as a bolometer; an integrating means (110, 210, 310) including: a means forming an integration capacitor (112, 212, 312), intended for outputting, during an integration time, a first signal (S1) with variable amplitude and frequency according to said current emitted by the detector, in the form of a series of pulses; a means (120, 220, 320) for controlling said first signal, intended for emitting a second signal (S2) and including: a counting means (140, 240) intended for counting each pulse of said first signal detected during the integration time and for indicating the end of counting when a predetermined number N of pulses is reached, the control means being implemented for emitting a second amplitude signal, depending on or equal to the amplitude of the first signal, when the end of integration time is reached and said counting means has counted or calculated a predetermined number N of pulses.

IPC 8 full level
G01J 1/46 (2006.01); **G01J 5/24** (2006.01)

CPC (source: EP US)
G01J 1/46 (2013.01 - EP US); **G01J 5/24** (2013.01 - EP US); **H04N 25/671** (2023.01 - EP); **H04N 25/76** (2023.01 - EP)

Citation (search report)
See references of WO 2010136521A1

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