

Title (en)

RESET CHARGE COMPENSATION CIRCUIT

Title (de)

RÜCKSETZLADUNGSKOMPENSATIONSSCHALTUNG

Title (fr)

CIRCUIT DE COMPENSATION DE CHARGE DE REENCLENCHEMENT

Publication

EP 0878008 A4 19990630 (EN)

Application

EP 97902877 A 19970113

Priority

- US 9700349 W 19970113
- US 59442596 A 19960131

Abstract (en)

[origin: WO9728533A1] The invention is a charge-to-voltage conversion device (17-j) including compensation circuitry for absorbing charges generated by switching an associated reset switch (30). The compensation circuitry provides a parasitic capacitance (60) that balances the intrinsic capacitance of the reset switch (30). The compensation circuitry is operated in antiphase from the reset switch and therefore the compensation circuitry is charging when the reset switch is discharging, and vice versa. The invention further includes a voltage level adjustment device (56) for adjusting the level of the signal driving the compensation circuitry.

IPC 1-7

G11C 27/02

IPC 8 full level

G01T 1/17 (2006.01); **G11C 27/02** (2006.01)

CPC (source: EP)

G11C 27/026 (2013.01)

Citation (search report)

- [X] EP 0616194 A1 19940921 - HAMAMATSU PHOTONICS KK [JP]
- [X] US 4451820 A 19840529 - KAPRAL CHRISTOPHER W [US]
- See references of WO 9728533A1

Designated contracting state (EPC)

DE GB

DOCDB simple family (publication)

WO 9728533 A1 19970807; EP 0878008 A1 19981118; EP 0878008 A4 19990630; JP 2000505927 A 20000516

DOCDB simple family (application)

US 9700349 W 19970113; EP 97902877 A 19970113; JP 52764697 A 19970113