Title (en)

Current generation circuit and current generation method

Title (de)

Stromerzeugungsschaltung und Stromerzeugungsverfahren

Title (fr)

Circuit de génération de courant et procédé de génération de courant

Publication

EP 1990699 A1 20081112 (EN)

Application

EP 07009255 A 20070508

Priority

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Abstract (en)

A current generation circuit comprises a reference unit (10) providing a reference voltage (VREF), and a current control unit (20) comprising a first and the second current terminal (201, 202). The current control unit (20) is configured to control a current (IC) between a first and a second current terminal (201, 202) depending on the reference voltage (VREF). A first and a second charge store (C1, C2) each have a first and a second terminal (311, 312, 321, 322), wherein the first terminals (311, 321) can be coupled to the first current terminal (201) or to the second terminal (312, 322) of the respective charge store (C1, C2) depending on a switching signal. The current mirror (40) comprises an input (401) which is coupled to the second current terminal (202) and an output (402) which is coupled to an output (1) of the current generation circuit.

IPC 8 full level

G05F 3/24 (2006.01)

CPC (source: EP)

G05F 3/242 (2013.01)

Citation (search report)

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Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK RS

DOCDB simple family (publication)

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