

Title (en)
Current generating circuit.

Title (de)
Schaltung zur Stromversorgung.

Title (fr)
Circuit de génération de courant.

Publication
EP 0598147 A1 19940525 (EN)

Application
EP 92203508 A 19921116

Priority
EP 92203508 A 19921116

Abstract (en)
The current generating circuit is independent from power supply fluctuations and temperature variations. It includes the series connection of a main current source MCR which generates a reference current Iref from a reference voltage Vref generated by a voltage source VRS, and a current mirror CM. VRS uses Iref to generate Vref and consequently an auxiliary current source ACS is needed to start-up the current generating circuit. ACS includes a current source CS and a regulating stage RS to disable CS after start-up. RS includes a branch M2-R2 wherein a current equal to Iref flows and disables CS based on the value of Iref. CM realizes the distribution of Iref over an integrated circuit (not shown) and to VRS.

IPC 1-7
G05F 3/28; **G05F 3/26**

IPC 8 full level
G05F 3/26 (2006.01); **G05F 3/28** (2006.01)

CPC (source: EP)
G05F 3/262 (2013.01); **G05F 3/267** (2013.01)

Citation (search report)
• [A] US 4839535 A 19890613 - MILLER IRA [US]
• [A] US 4857823 A 19890815 - BITTING RICKY F [US]
• [A] PATENT ABSTRACTS OF JAPAN vol. 10, no. 177 (P-470)(2233) 21 June 1986 & JP-A-61 026 117 (ROHM CO LTD) 5 February 1986

Designated contracting state (EPC)
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