

Title (en)
Precision current generator.

Title (de)
Präzisionsstromgenerator.

Title (fr)
Générateur de courant précis.

Publication
EP 0536063 B1 19950719 (FR)

Application
EP 92420333 A 19920928

Priority
FR 9112278 A 19910930

Abstract (en)
[origin: EP0536063A1] The present invention relates to a current generator (Is), comprising a first bipolar transistor (Q1), the base of which is linked to a reference potential (Vref) and the emitter to a first power supply potential (G) through a first resistor (R1); a first current mirror (M1), the input of which is linked to the collector of the first transistor (Q1) and the output of which is linked to the control electrode of a second transistor (Q2); a third bipolar transistor (Q3), the collector of which is linked to the output of the first current mirror, the base of which is linked, on the one hand, to a main electrode of the second transistor (Q2) and, on the other hand, to a terminal of a second resistor (R2) whose other terminal is linked to the emitter of the third transistor (Q3); and a second current mirror (M2), the input of which is linked to the emitter of the third transistor (Q3) and the output of which (S) supplies the said current (Is). <IMAGE>

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G05F 3/26

IPC 8 full level
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CPC (source: EP)
G05F 3/265 (2013.01)

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US5663674A; EP0731403A3; EP0664503A1; BE1008031A3; EP0682305A1

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