

Title (en)

Current source adapted to rapid variations in the output voltage

Title (de)

An kurzzeitige Ausgangsspannungsschwankungen angepasste Stromquelle

Title (fr)

Source de courant adaptée à des variations rapides de tension de sortie

Publication

EP 0518714 B1 19960626 (FR)

Application

EP 92401404 A 19920522

Priority

FR 9107320 A 19910614

Abstract (en)

[origin: EP0518714A1] The invention relates to a current source delivering a constant current despite the violent voltage variations which may be applied at its output. This current source comprises two parallel branches, one a generating branch (Q5, R5), the other a reference branch (Q6, R6). The output current (Is) is held constant by keeping the potential difference at the terminals of the resistors (R5) of the generating branch constant, by means of a differential amplifier. All the transistors are of NPN type. Application to power supply for fast analog circuits. <IMAGE>

IPC 1-7

G05F 3/22; **G05F 1/56**

IPC 8 full level

G05F 1/56 (2006.01); **G05F 3/22** (2006.01)

CPC (source: EP US)

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Cited by

EP0569165A3; WO2015153087A1; US9547324B2

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EP 0518714 A1 19921216; **EP 0518714 B1 19960626**; DE 69211779 D1 19960801; DE 69211779 T2 19961128; FR 2677781 A1 19921218; FR 2677781 B1 19930820; US 5391981 A 19950221

DOCDB simple family (application)

EP 92401404 A 19920522; DE 69211779 T 19920522; FR 9107320 A 19910614; US 89781992 A 19920612