

Title (en)

Current source and current source arrangement

Title (de)

Stromquelle und Stromquellenanordnung

Title (fr)

Source de courant et agencement de source de courant

Publication

EP 2197244 B1 20110803 (EN)

Application

EP 08021645 A 20081212

Priority

EP 08021645 A 20081212

Abstract (en)

[origin: EP2197244A1] A current source comprises an output terminal adapted to be connected to a load and a controllable output device connected to the output terminal. A first loop (Loop1) comprises a first sensing path having a sensing transistor (Ms1). A second loop (Loop2) comprises a second sensing path with a sensing transistor (Ms2) and a supply source to provide a supply signal (Vgen) at an output terminal thereof. The controllable output device (Mp) and the first and second sensing paths are coupled to the output terminal of the supply source. The first loop (Loop1) is adapted to provide a control signal (Vg) to the controllable output device and to the sensing transistor of the second sensing path. The second sensing path is coupled to the first sensing path and adapted to restrict the sensing transistor (Ms2) of the second sensing path to operate in a linear region of its characteristics.

IPC 8 full level

H05B 44/00 (2022.01)

CPC (source: EP)

G05F 3/262 (2013.01)

Cited by

CN104184320A; EP2533128A1; US8421526B2; WO2012168051A1; EP2221706A1; WO2010092026A1

Designated contracting state (EPC)

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