

Title (en)  
Constant-current source

Title (de)  
Konstantstromquelle

Title (fr)  
Source de courant constante

Publication  
**EP 0650112 B1 19980805 (DE)**

Application  
**EP 94115731 A 19941006**

Priority  
DE 4335683 A 19931020

Abstract (en)  
[origin: EP0650112A2] The invention relates to a constant-current source which contains two JFETs and a simple resistance network. In this arrangement, the current saturation current is measured by a JFET and converted by the resistance network into a control voltage for the other JFET which generates the desired constant current. Such a circuit can be used for compensating within a wide range for production tolerances, particularly those of the JFETs and for temperature fluctuations due to operation. <IMAGE>

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

IPC 8 full level  
**G05F 3/24** (2006.01); **G05F 3/26** (2006.01)

CPC (source: EP US)  
**G05F 3/24** (2013.01 - EP US)

Cited by  
GB2473407A; GB2473407B; WO2009156715A1

Designated contracting state (EPC)  
DE ES FR GB IT NL SE

DOCDB simple family (publication)  
**EP 0650112 A2 19950426; EP 0650112 A3 19950830; EP 0650112 B1 19980805**; DE 4335683 A1 19950427; DE 59406607 D1 19980910; ES 2121595 T3 19981201; US 5488328 A 19960130

DOCDB simple family (application)  
**EP 94115731 A 19941006**; DE 4335683 A 19931020; DE 59406607 T 19941006; ES 94115731 T 19941006; US 32649794 A 19941020