

Title (en)  
Current source circuit

Title (de)  
Stromquellenschaltung

Title (fr)  
Circuit de source de courant

Publication  
**EP 1321843 B1 20051214 (DE)**

Application  
**EP 02102824 A 20021219**

Priority  
DE 10163633 A 20011221

Abstract (en)  
[origin: EP1321843A1] Source electrodes for third (3) and fourth (4) metal oxide semiconductor field effect transistors (MOSFETs) link to inputs for a gain control amplifier (7), whose output links to a gate electrode for the fourth MOSFET that is an extended drain MOSFET. A drain electrode and the gate electrode for the fourth MOSFET interlink via a fifth MOSFET (10).

IPC 1-7  
**G05F 3/26**; H01L 29/78

IPC 8 full level  
**G05F 3/26** (2006.01); **H03F 3/345** (2006.01)

CPC (source: EP US)  
**G05F 3/262** (2013.01 - EP US)

Cited by  
CN102455727A

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SI SK TR

DOCDB simple family (publication)  
**EP 1321843 A1 20030625**; **EP 1321843 B1 20051214**; AT E313109 T1 20051215; DE 10163633 A1 20030710; DE 50205270 D1 20060119; JP 2003223232 A 20030808; JP 4157928 B2 20081001; US 2003117210 A1 20030626; US 6690229 B2 20040210

DOCDB simple family (application)  
**EP 02102824 A 20021219**; AT 02102824 T 20021219; DE 10163633 A 20011221; DE 50205270 T 20021219; JP 2002366385 A 20021218; US 32335202 A 20021218