

Title (en)
Supply circuit with voltage selector

Title (de)
Versorgungsschaltung mit Spannungswähler

Title (fr)
Circuit d'alimentation à sélecteur de tension

Publication
EP 1081572 B1 20041103 (FR)

Application
EP 00410109 A 20000830

Priority
FR 9911033 A 19990831

Abstract (en)
[origin: EP1081572A1] The circuit receives several supply voltages (V1,V2,V3) via connections (L1,L2,L3) each of which is connected to respective switches (T1,T2,T3). At least one of the switches (T1) is a first MOS transistor of P conductivity type connected between the line (L1) and a common output terminal (S). The circuit also includes: - a second transistor (T3) of P conductivity type, connected between the grid of the first transistor (T1) and a node (N) maintained at the highest of the supply voltages; - a third transistor (T4), of N conductivity type, of less conductivity in the conducting state as the first transistor (T1), connected between the grid of the first transistor (T1) and a reference potential, and; - a fourth transistor (T5), of P type of conductivity, whose source is connected to a supply line associated with a switch, and whose drain is connected to a current source (R1) and to the grids of the second (T3), third (T4) and fourth (T5) transistors..

IPC 1-7
G05F 1/59

IPC 8 full level
G05F 1/59 (2006.01)

CPC (source: EP US)
G05F 1/59 (2013.01 - EP US)

Cited by
CN106200736A; US9733661B2; US8018093B2; US7608942B2; US8164378B2; WO2004066050A1

Designated contracting state (EPC)
DE FR GB IT

DOCDB simple family (publication)
EP 1081572 A1 20010307; EP 1081572 B1 20041103; DE 60015464 D1 20041209; FR 2798014 A1 20010302; FR 2798014 B1 20020329; US 6566935 B1 20030520

DOCDB simple family (application)
EP 00410109 A 20000830; DE 60015464 T 20000830; FR 9911033 A 19990831; US 64990100 A 20000828