

Title (en)

CIRCUIT ARRANGEMENT FOR A VOLTAGE-CONTROLLED CONSTANT VOLTAGE SOURCE WITH AN INPUT SIDE RC NETWORK

Publication

EP 0325147 B1 19920902 (DE)

Application

EP 89100348 A 19890110

Priority

DE 3801221 A 19880118

Abstract (en)

[origin: EP0325147A2] The input of a voltage-controlled constant-current source is connected, apart from via the RC network with a resistor in the series branch and a capacitor in the shunt branch, to a first terminal, also via a further resistor and a diode to a second terminal. A reference voltage supplied to the input via the first terminal and the RC network resistor can be suppressed by a control voltage supplied via the second terminal, the diode and the further resistor. The control voltage suppresses the reference voltage due to the resistance ratios. The junction between the further resistor and the diode is connected via a third resistor to the output of the constant-voltage source via which, when the diode is loaded in the reverse direction, a reverse current flowing through it is bypassed which eliminates the possibility of the reverse current influencing the constant-voltage source. <IMAGE>

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G05F 1/46

IPC 8 full level

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CPC (source: EP)

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Cited by

US5939866A; CN112564848A; CN107438962A; WO9845931A1; WO9429951A1

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