

Title (en)

CIRCUITRY FOR SUPPLYING THE BASE BIAS VOLTAGE OF CURRENT SOURCE TRANSISTORS IN BIPOLAR IC CIRCUITS

Title (de)

SCHALTUNGSANORDNUNG ZUR BASISVORSpannungsversorgung von StromquellenTransistoren in bipolar-IC-SCHALTUNGEN

Title (fr)

CIRCUITS D'ALIMENTATION EN TENSION DE POLARISATION DE TRANSISTORS SOURCES DE COURANT DANS DES CIRCUITS INTEGRES BIPOLAIRES

Publication

**EP 0842461 A1 19980520 (DE)**

Application

**EP 96924768 A 19960724**

Priority

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- DE 19528209 A 19950801

Abstract (en)

[origin: WO9705537A1] In order to supply the base bias voltage of bipolar IC current source transistors with a band gap reference circuit that supplies a temperature-dependent and resistance tolerance-dependent base bias voltage so that the current supplied by the current source transistors causes a constant voltage drop in the load resistances through which the current flows, the base bias voltage is supplied by a distributor circuit connected downstream of the load resistances and having an input stage, an output driver and an intermediate inverter composed of a first transistor, a first resistance, a second transistor and a second resistance mounted in series and connected to the supply voltage. In order to supply the base bias voltage to current source transistors having another type of resistance than that for which the band gap reference circuit is designed, the corresponding distributor or converter circuit has a second resistance of the same type as that of the resistance for which the band gap reference circuit is designed, and a first resistance composed of a resistance of this same type connected in series to the other type of resistance.

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IPC 8 full level

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CPC (source: EP)

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