

Title (en)
Reference voltage generation circuit.

Title (de)
Referenzspannungserzeugerschaltung.

Title (fr)
Circuit de génération d'une tension de référence.

Publication
EP 0645687 A2 19950329 (EN)

Application
EP 94114599 A 19940916

Priority
JP 24250793 A 19930929

Abstract (en)
A reference voltage generation circuit is provided, including first and second NPN type bipolar transistors (11, 12), each, having a collector, emitter and a base, the collectors of these bipolar transistors being connected to a power supply potential and the bases of the bipolar transistors being commonly connected together, and a differential-input amplifier (16) having an output terminal connected to that common base node of the bipolar transistors. A series circuit of first and second resistors (13, 14) is connected between a non-inverting input terminal of the amplifier and a ground potential and a third resistor (15) is connected between an inverting input terminal of the differential-input amplifier (16) and the ground potential. A starting circuit (30) has an output node connected to a connection node of the first and second resistors and generates a potential close to a power supply potential after a power supply is turned ON. <IMAGE>

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G05F 3/30

IPC 8 full level
G05F 3/30 (2006.01)

CPC (source: EP KR)
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Designated contracting state (EPC)
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EP 0645687 A2 19950329; JP 3313475 B2 20020812; JP H0798614 A 19950411; KR 950010338 A 19950428

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