

Title (en)

Semiconductor circuit arrangement for controlling a controlled device.

Title (de)

Halbleiterschaltung zur Steuerung eines Steuergerätes.

Title (fr)

Circuit à semi-conducteur pour la commande d'un dispositif commandé.

Publication

EP 0000844 A1 19790221 (EN)

Application

EP 78300269 A 19780808

Priority

US 82372977 A 19770811

Abstract (en)

The current in a controlled device such as a light emitting diode (LED) 10, driven by a transistor switch Q1, is stabilized by a current control circuit including a comparator type feed-back network Q3, Q4, Q5, Q6, which stabilizes the voltage at a node 11 located between said switch Q1 and the series connection of a ballast resistor R and LED 10.

IPC 1-7

G05F 1/56

IPC 8 full level

G05F 1/56 (2006.01)

CPC (source: EP US)

G05F 1/56 (2013.01 - EP US)

Citation (search report)

- US 3903454 A 19750902 - MATSUI KOJI, et al
- FR 2085030 A5 19711217 - SIEMENS AG
- [A] US 3925690 A 19751209 - SPENCE JOHN R
- [X] ELECTRONIC DESIGN, vol. 25, no. 6, March 15, 1977, page 108, ROCHELLE PARK (US) T. FREDERIKSEN et al: "Diode feedback comparator circuit regulates a led's drive current"
- [A] IBM TECHNICAL DISCLOSURE BULLETIN, vol. 17, no. 8, January 1975, page 2391, New York: C.R. HOFFMAN: "Constant-Current source for mosfet circuits"

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US6315626B2

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

EP 0000844 A1 19790221; EP 0000844 B1 19830323; DE 2862207 D1 19830428; JP S5430456 A 19790306; US 4160934 A 19790710

DOCDB simple family (application)

EP 78300269 A 19780808; DE 2862207 T 19780808; JP 9745678 A 19780811; US 82372977 A 19770811