

Title (en)
OPTOELECTRONIC CIRCUIT COMPRISING LIGHT-EMITTING DIODES

Title (de)
OPTOELEKTRONISCHER SCHALTKREIS, DER ELEKTROLUMINESZENZDIODEN UMFASST

Title (fr)
CIRCUIT OPTOÉLECTRONIQUE COMPRENANT DES DIODES ÉLECTROLUMINESCENTES

Publication
EP 3302003 B1 20190424 (FR)

Application
EP 17193974 A 20170929

Priority
FR 1659452 A 20160930

Abstract (en)
[origin: US2018098394A1] An optoelectronic circuit intended to receive a variable voltage containing an alternation of rising and falling phases. The optoelectronic circuit includes assemblies of series-assembled light-emitting diodes, a node coupled to each assembly by a conduction circuit having its electric conductance varying according to a control signal and a control circuit coupled to each conduction circuit and capable of supplying each control signal based on the comparison of a first voltage at said node with at least a second voltage. The control circuit includes a difference amplifier and as many output stages as there are conduction circuits, the control circuit being capable of controlling the first voltage with the second voltage offset by a third voltage, different for each output stage.

IPC 8 full level
H05B 44/00 (2022.01)

CPC (source: EP US)
H05B 45/44 (2020.01 - EP US); **H05B 45/48** (2020.01 - EP US)

Cited by
FR3144481A1; WO2024141742A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)
EP 3302003 A1 20180404; **EP 3302003 B1 20190424**; FR 3057135 A1 20180406; FR 3057135 B1 20201113; US 2018098394 A1 20180405; US 9974133 B2 20180515

DOCDB simple family (application)
EP 17193974 A 20170929; FR 1659452 A 20160930; US 201715719612 A 20170929