

Title (en)  
Driver circuit for a LED-array

Title (de)  
Ansteuerschaltung für ein LED-Array

Title (fr)  
Circuit de commande pour une matrice de LED

Publication  
**EP 1246511 B1 20040804 (DE)**

Application  
**EP 02002468 A 20020201**

Priority  
DE 10115388 A 20010328

Abstract (en)  
[origin: EP1246511A1] The control circuit has a respective switch (S1,S2,S3) connected in series with each column (40,42,44) of the LED array and controlled for allowing a current to flow through the LED column. A regulating stage (46) controls the switch for a first LED column to maintain a constant mean current through the latter, with corresponding control of the switches for the remaining LED columns and measurement of the overall sum current through the remaining LED columns, for comparison with a required value, e.g. to allow an information signal to be provided. An Independent claim for an operating method for a LED array is also included.

IPC 1-7  
**H05B 37/03**

IPC 8 full level  
**H05B 33/08** (2006.01); **H05B 37/03** (2006.01)

CPC (source: EP US)  
**H05B 45/46** (2020.01 - EP US); **H05B 45/58** (2020.01 - EP US)

Cited by  
DE102006005521B3; EP1517588A1; EP1868420A3; FR2841431A1; DE10324609A1; DE10324609B4; US8106857B2; WO2011107138A1; WO2014100919A1

Designated contracting state (EPC)  
DE FR GB IT

DOCDB simple family (publication)  
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**EP 02002468 A 20020201**; DE 10115388 A 20010328; DE 50200723 T 20020201; US 7412102 A 20020212