

Title (en)

LED matrix display

Title (de)

Leuchtdiodenmatrix-Anzeigevorrichtung

Title (fr)

Dispositif d'affichage à matrice de diodes électroluminescentes

Publication

EP 0866440 B1 20040929 (DE)

Application

EP 98102263 A 19980210

Priority

DE 19710855 A 19970315

Abstract (en)

[origin: EP0866440A2] The device has display points arranged in rows and columns, driven by a controller and monitored for display faults by a monitoring device. The monitoring device has a current detector (S) which can detect the drive current to each display point and which can be associated with the display point by the monitoring device. A current detector can be provided for each row or column. The rows (y) and columns (x) associated with the coordinate node points of the display points (L) to be activated are driven cyclically in multiplex manner at a frequency which enables the light emitting diodes to be activated at a rate above the flicker coalescence frequency.

IPC 1-7

G09G 3/32; G01R 31/28

IPC 8 full level

G01R 31/28 (2006.01); **G09G 3/00** (2006.01); **G09G 3/32** (2016.01)

CPC (source: EP US)

G09G 3/006 (2013.01 - EP US); **G09G 3/32** (2013.01 - EP US); **G09G 2330/12** (2013.01 - EP US); **Y10S 345/904** (2013.01 - EP US)

Citation (examination)

DE 2952009 A1 19810709 - WULFF APPARATEBAU [DE]

Cited by

EP1306826A4; DE102009042619B3

Designated contracting state (EPC)

AT CH DE GB LI NL

DOCDB simple family (publication)

EP 0866440 A2 19980923; EP 0866440 A3 20010207; EP 0866440 B1 20040929; AT E278234 T1 20041015; DE 19710855 A1 19981001; DE 59812012 D1 20041104; US 6486860 B1 20021126

DOCDB simple family (application)

EP 98102263 A 19980210; AT 98102263 T 19980210; DE 19710855 A 19970315; DE 59812012 T 19980210; US 3638698 A 19980306