

Title (en)

Dot matrix and segmented displays with uniform illumination

Title (de)

Punktmatrix- und segmentierte Anzeigen mit gleichmäßiger Beleuchtung

Title (fr)

Matrice de point et affichages segmentés avec un éclairage uniforme

Publication

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Application

EP 08017601 A 20081008

Priority

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Abstract (en)

This invention relates to white and coloured dot-matrix and segmented displays in which the colour is produced by means of blue or ultra-violet light-emitting diodes (LED) together with a wavelength conversion phosphor, or combination of phosphors. A white or coloured dot-matrix display is produced by conversion of blue or Ultra-Violet light from an array of light-emitting diodes (LEDs) 1 by means of a layer of phosphor 5 applied to a substrate 4 so as to provide uniform illumination over the areas 8 . In comparison to the previous art the invention improves the uniformity and consistency of illumination over the illuminated areas of the display and also improves reliability by distancing the phosphor layer 5 from the dissipation generated by the LEDs 1 .

IPC 8 full level

G09F 9/33 (2006.01)

CPC (source: EP)

G09F 9/3023 (2013.01); **G09F 9/33** (2013.01)

Citation (applicant)

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