

Title (en)

Flexible pixel string hardware and method cross references to related applications

Title (de)

Flexible Pixelstring-Hardware und Verfahren zur Querverweisung auf zugehörige Anwendungen

Title (fr)

Matériel de chaînes de pixels flexibles et références croisées des procédés vers les applications connexes

Publication

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Application

EP 05256403 A 20051014

Priority

- US 96512704 A 20041014
- US 96513304 A 20041014

Abstract (en)

A graphical display station of arbitrary shape such as channel letters or other shaped structures is populated with pixels which are components of flexible pixel strings which can be arranged to fit the arbitrary shape(s). The flexible pixel strings provide for straightforward and cost effective fabrication of channel letter or other shaped displays. The invention also includes pixel units which comprise lighting elements together with such control circuits as are needed to properly drive the lighting elements to form a graphical image. Addressing of the particular pixels is provided to accommodate the arbitrary arrangement of pixels of the flexible pixel strings. Methods of fabricating a channel letter display are also disclosed. The present invention also relates to image displays and signage, and more particularly, to displays of custom or arbitrary shape. Such shaped displays include channel letter displays, logo or design displays, curved or round displays, or other arbitrary shaped or unusual aspect ratio displays. The present invention further relates to software for transforming image data from a multidimensional array corresponding to a physical rectangular grid to a multidimensional array corresponding to a physical arbitrary shape.

IPC 8 full level

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CPC (source: EP)

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Cited by

EP2179316A4; DE202007004141U1; US2010103090A1; CN113838384A; US7868903B2; EP2181354A4; GB2567192A; WO2009029197A1; US8001455B2; US8552928B2; US8106923B2; US8363038B2

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