

Title (en)

Method of representing graphics on a television screen.

Title (de)

Verfahren zur Darstellung graphischer Kurven auf einem Fernsehbildschirm.

Title (fr)

Procédé pour obtenir une représentation de courbes sur un écran de télévision.

Publication

EP 0037320 A1 19811007 (FR)

Application

EP 81400453 A 19810323

Priority

FR 8006974 A 19800328

Abstract (en)

[origin: US4698768A] A process for smoothing curves, comprising previous storage of a predetermined number of patterns formed from at least two adjacent pixels disposed on the same line or in the same column, step-by-step calculation of the theoretical curve to be plotted, determination for each of the pitches of the pixel closest to the theoretical curve to be plotted, measurement of the distance e from this pixel to the theoretical curve, determination as a function of this distance e of the pattern which corresponds to the elementary position of the curve to be plotted and illumination of the pattern on a visualization surface.

Abstract (fr)

L'invention concerne un procédé de lissage de courbes générées pour un balayage de télévision. Ce procédé consiste à utiliser, pour effectuer le tracé des susdites courbes, des motifs composés d'au moins deux pixels dont le barycentre est positionné sur la courbe à tracer. La génération des courbes peut s'effectuer selon le principe de l'algorithme de Bresenham. L'invention s'applique notamment aux dispositifs d'affichage.

IPC 1-7

G09G 1/16; G09G 1/28

IPC 8 full level

G06T 11/20 (2006.01); **G09G 5/02** (2006.01); **G09G 5/10** (2006.01); **G09G 5/20** (2006.01); **G09G 5/36** (2006.01)

CPC (source: EP US)

G09G 5/20 (2013.01 - EP US)

Citation (search report)

- FR 2371031 A1 19780609 - ELLIOTT BROTHERS LONDON LTD [GB]
- FR 2166929 A5 19730817 - GEC ELLIOTT AUTOMATION LTD
- GB 2021905 A 19791205 - SMITHS INDUSTRIES LTD
- FR 2347844 A1 19771104 - HUGHES AIRCRAFT CO [US]

Cited by

EP0151544A3; EP0305034A3

Designated contracting state (EPC)

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EP 0037320 A1 19811007; **EP 0037320 B1 19850502**; DE 3170250 D1 19850605; FR 2479622 A1 19811002; FR 2479622 B1 19850823; GB 2077079 A 19811209; GB 2077079 B 19840523; JP S5723998 A 19820208; US 4698768 A 19871006

DOCDB simple family (application)

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