

Title (en)

Method and device for avoiding image misinterpretation due to defective pixels in a matrix display

Title (de)

Verfahren und Vorrichtung zur Vermeidung einer falschen Bildinterpretation infolge von Pixeldefekten in einer Anzeigematrix

Title (fr)

Méthode et dispositif pour éviter une interprétation d'image fautive par suite de pixels défectueux dans une matrice d'affichage

Publication

EP 1424673 A1 20040602 (EN)

Application

EP 02447234 A 20021129

Priority

EP 02447234 A 20021129

Abstract (en)

The present invention relates to a system and a method for avoiding misinterpretation of images due to defective pixels present in matrix addressed electronic displays during display time. This may be very important e.g. in the medical world. The method comprises obtaining information on the presence of the defective pixels in the display, and modulating the operation of the display so as to indicate, emphasise or warn for the presence of said defective pixels on the actual display having defect pixels, or adapting the image content of the defective pixels or of pixels in the neighbourhood of the defective pixels so as to indicate, emphasise or warn for the presence of said defective pixels in a copy of the displayed image. Such copy may be a hard copy or an electronic copy. <??>A corresponding device is also provided. <IMAGE>

IPC 1-7

G09G 3/20

IPC 8 full level

G09G 3/20 (2006.01); **G09G 3/00** (2006.01)

CPC (source: EP)

G09G 3/20 (2013.01); **G09G 3/006** (2013.01); **G09G 2330/10** (2013.01)

Citation (search report)

- [A] US 6111424 A 20000829 - BOSACCHI BRUNO [US]
- [A] US 5432461 A 19950711 - HENLEY FRANCOIS J [US]
- [A] PATENT ABSTRACTS OF JAPAN vol. 2003, no. 03 5 May 2003 (2003-05-05)
- [A] PATENT ABSTRACTS OF JAPAN vol. 1999, no. 12 29 October 1999 (1999-10-29)

Citation (examination)

- JP 2001265312 A 20010928 - RICOH KK
- EP 0984393 A2 20000308 - KONISHIROKU PHOTO IND [JP]
- JP H09257639 A 19971003 - FUJITSU LTD

Cited by

CN113748456A; EP1511001A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SK TR

DOCDB simple family (publication)

EP 1424673 A1 20040602

DOCDB simple family (application)

EP 02447234 A 20021129