

Title (en)

METHOD AND DEVICE FOR AUTOSTEREOSCOPIC VIEWING WITH ADAPTATION OF OPTIMAL VIEWING DISTANCE

Title (de)

VERFAHREN UND EINRICHTUNG ZUR AUTOSTEREOSKOPISCHEN BETRACHTUNG MIT ANPASSUNG DER OPTIMALEN SICHTDISTANZ

Title (fr)

PROCEDE ET DISPOSITIF DE VISUALISATION AUTOSTEROSCOPIQUE AVEC ADAPTATION DE LA DISTANCE DE VISION OPTIMALE

Publication

**EP 1900226 A1 20080319 (FR)**

Application

**EP 06778751 A 20060703**

Priority

- FR 2006001564 W 20060703
- FR 0507101 A 20050704

Abstract (en)

[origin: WO2007003791A1] The invention concerns a method for autostereoscopic viewing including: encoding a raster image on a display (2), said raster image integrating a set of P view points of the same scene, said matrix image consisting of image pixels, P image pixels forming a 3D image including P view points, said display (2) comprising a matrix of screen pixels, several screen pixels including all of them P view points forming a 3D screen pixel; receiving and optically processing a raster image, emitted by said display, with a converting display, remotely generating a three-dimensional image. The invention is characterized in that it further includes adapting the number of screen pixels to encode a 3D image pixel, based on a desired optimal viewing distance (Dopt). The invention is particularly useful for computer displays or three-dimensional television sets.

IPC 8 full level

**H04N 13/00** (2006.01)

CPC (source: EP US)

**H04N 13/305** (2018.04 - EP US); **H04N 13/31** (2018.04 - EP US); **H04N 13/366** (2018.04 - EP US); **H04N 13/398** (2018.04 - EP US)

Citation (search report)

See references of WO 2007003791A1

Cited by

GB2471137A; GB2471137B

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

**FR 2887999 A1 20070105**; **FR 2887999 B1 20080516**; EP 1900226 A1 20080319; JP 2009500648 A 20090108; US 2009207237 A1 20090820; WO 2007003791 A1 20070111

DOCDB simple family (application)

**FR 0507101 A 20050704**; EP 06778751 A 20060703; FR 2006001564 W 20060703; JP 2008518925 A 20060703; US 98826706 A 20060703