

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

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Application

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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

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Citation (search report)

See references of WO 2007003791A1

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