

Title (en)
METHOD AND DEVICE FOR DISPLAYING A THREE-DIMENSIONAL SCENE ON A DISPLAY SURFACE HAVING AN ARBITRARY NON-PLANAR SHAPE

Title (de)
VERFAHREN UND VORRICHTUNG ZUR DARSTELLUNG EINER DREIDIMENSIONALEN SZENE AUF EINER ANZEIGEFLÄCHE MIT EINER WILLKÜRLICHEN UNEBENEN FORM

Title (fr)
PROCÉDÉ ET DISPOSITIF D’AFFICHAGE DE SCÈNE TRIDIMENSIONNELLE SUR UNE SURFACE D’AFFICHAGE DE FORME ARBITRAIRE NON PLANE

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Abstract (en)
[origin: WO2017013068A1] The invention relates to a method and to a device for displaying a three-dimensional scene on a display surface having an arbitrary non-planar shape, for correct viewing by a user having a given position in a three-dimensional spatial reference system. The method comprises displaying a display image comprising pixels which represent the three-dimensional scene. The invention comprises: a first step (A1) of projecting a three-dimensional model of the display surface onto a projection plane (PL) in perspective, the projection in perspective having a projection centre which is dependent on the position of the user in the spatial reference system, making it possible to obtain a projection image (Iproj) of the display surface from the point of view of the user; and a second step (A2) of calculating a projection of the three-dimensional scene on the display surface using said projection image (Iproj).

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