

Title (en)

WIDE FIELD-OF-VIEW 3D STEREO VISION PLATFORM WITH DYNAMIC CONTROL OF IMMERSIVE OR HEADS-UP DISPLAY OPERATION

Title (de)

3D-STEREOVISIONSPLATTFORM MIT WEITEM SICHTFELD UND DYNAMISCHER STEUERUNG DES BETRIEBS EINER ANZEIGE UNTER ODER ÜBER WASSER

Title (fr)

PLATEFORME DE VISION STÉRÉOSCOPIQUE TRIDIMENSIONNELLE (3D) À LARGE CHAMP DE VISION AYANT UNE COMMANDE DYNAMIQUE D'OPÉRATION D'AFFICHAGE IMMERSIF OU D'AFFICHAGE TÊTE HAUTE

Publication

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Application

**EP 12854278 A 20121130**

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Abstract (en)

[origin: WO2013082387A1] Embodiments of the invention generally relate to 3D stereo vision goggles or other platforms that could be used for enhanced vision systems for surgical applications, for patients with macular degeneration, or for entertainment or business applications. The invention takes images received from a video input source, and segments and projects those images off a mirror defined by a portion of an ellipsoid and directly onto the retina of the eye of a user. The invention allows users to enjoy 3D stereoscopic vision with an increased field of view, increased image quality, increased comfort, reduced cost, and other benefits.

IPC 8 full level

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CPC (source: EP)

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**G02B 2027/014** (2013.01); **G02B 2027/0187** (2013.01)

Cited by

US10649217B1; US11284053B2; US11758119B2; US11006093B1; US11166006B2; US11412202B2; US11611735B2; US10554940B1;  
US1095884B1

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DOCDB simple family (publication)

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