Title (en)

METHOD AND APPARATUS FOR VOLUMETRIC DISPLAYING

Title (de)

VORRICHTUNG UND VERFAHREN ZUR RÄUMLICHEN WIEDERGABE

Title (fr)

PROCEDE ET APPAREIL D'AFFICHAGE VOLUMETRIQUE

Publication

EP 0970590 A1 20000112 (EN)

Application

EP 99904121 A 19990119

Priority

- US 9901018 W 19990119
- US 1311598 A 19980126

Abstract (en)

[origin: WO9938335A1] Three-dimensional imagery based on a series of two-dimensional images is produced and displayed. A frame (20) housing a series of image displays (22) displaced at differing radial distances from the center (39) of the frame is rotated at 60 hertz or greater. As each display rotates past the viewer, a different sectional slice of a three-dimensional image is displayed. Thus, a full rotation of the frame provides the viewer with a full view of the three-dimensional object. The high rotational speed of the system visually merges the slices and the radial displacement of the displays provides depth to the image. This combination results in the presentation of a true three-dimensional image without the need for viewing aids. Additionally, multiple viewers can view the same or differing three-dimensional images.

IPC 1-7

H04N 13/04; G02B 27/22

IPC 8 full level

G02B 27/22 (2006.01); **H04N 13/00** (2006.01); **H04N 13/04** (2006.01)

CPC (source: EP)

G02B 30/54 (2020.01); **H04N 13/393** (2018.05); H04N 13/161 (2018.05); H04N 13/239 (2018.05); H04N 13/32 (2018.05); H04N 13/324 (2018.05); H04N 13/363 (2018.05); H04N 13/39 (2018.05); H04N 13/398 (2018.05)

Citation (search report)

See references of WO 9938335A1

Designated contracting state (EPC)

BE FR GB IT

DOCDB simple family (publication)

WO 9938335 A1 19990729; EP 0970590 A1 20000112; KR 20000076414 A 20001226

DOCDB simple family (application)

US 9901018 W 19990119; EP 99904121 A 19990119; KR 19997008518 A 19990918