

Title (en)

SYSTEM AND METHOD FOR STEREOSCOPIC IMAGING AND HOLOGRAPHIC SCREEN

Title (de)

SYSTEM UND VERFAHREN ZUR STEREOSKOPISCHEN BILDDARSTELLUNG, SOWIE HOLOGRAFISCHER BILDSCHIRM

Title (fr)

SYSTEME ET PROCEDE DE PRODUCTION D'IMAGES STEREOSCOPIQUES, ET ECRAN HOLOGRAPHIQUE

Publication

EP 1101131 A1 20010523 (DE)

Application

EP 00943584 A 20000512

Priority

- DE 0001511 W 20000512
- DE 19924096 A 19990526

Abstract (en)

[origin: WO0073825A1] The invention relates to a system for stereoscopic imaging, comprising a projection unit (2) with modulators (21, 22) and a polarization prism (3) for the projection of images presenting different perspectives with a corresponding different direction of polarization. A holographic screen (1) has a lattice structure which corresponds to a hologram image of real screens with different directions of polarization. The incident light rays (A, B) cause two different polarized images to be produced on the holographic screen (1) which by means of spectacles (5) comprising polarization filters are perceived separately by the left and right eye.

IPC 1-7

G02B 5/32; **G02B 27/26**

IPC 8 full level

G03B 21/60 (2006.01); **G02B 5/30** (2006.01); **G02B 5/32** (2006.01); **G02B 30/25** (2020.01); **G03B 21/00** (2006.01); **G03B 33/12** (2006.01); **G03B 35/26** (2006.01); **G03H 1/22** (2006.01)

CPC (source: EP US)

G02B 5/32 (2013.01 - EP US); **G02B 30/25** (2020.01 - EP US)

Citation (search report)

See references of WO 0073825A1

Designated contracting state (EPC)

DE ES FR IT SE

DOCDB simple family (publication)

WO 0073825 A1 20001207; DE 19924096 A1 20001221; DE 19924096 C2 20031127; EP 1101131 A1 20010523; JP 2003501682 A 20030114; KR 20010053563 A 20010625; US 6412949 B1 20020702

DOCDB simple family (application)

DE 0001511 W 20000512; DE 19924096 A 19990526; EP 00943584 A 20000512; JP 2001500892 A 20000512; KR 20017000761 A 20010118; US 74454301 A 20010125