

Title (en)

METHOD FOR ORIENTING A PARALLAX BARRIER SCREEN ON A DISPLAY SCREEN

Title (de)

VERFAHREN ZUR AUSRICHTUNG EINES PARALLAXENBARRIERESCHIRMS AUF EINEM BILDSCHIRM

Title (fr)

PROCÉDÉ PERMETTANT D'ALIGNER UN ÉCRAN BARRIÈRE DE PARALLAXE SUR UN ÉCRAN

Publication

**EP 2191656 A1 20100602 (DE)**

Application

**EP 07856028 A 20071126**

Priority

- DE 2007002134 W 20071126
- DE 102007047470 A 20070928

Abstract (en)

[origin: WO2009039800A1] The invention relates to a method for orienting a parallax barrier screen on a display screen with picture elements  $x(i,j)$  in a grid comprising rows  $i$  and columns  $j$  for the purpose of producing a display screen for three-dimensional representation. This involves the following steps being performed: temporary application of a positioning marker (6a), observation of the positioning marker (6a) by means of a camera (3), relative orientation of the display screen (1), removal of the positioning marker (6a), positioning of the parallax barrier screen (2) in front of the picture area of the display screen (1), display of a test picture, which comprises various views  $A(k)$ , where  $k = 1, \dots, n$  and  $n = 6$  or  $n = 7$ , on the picture elements  $x(i,j)$  with rows  $i$  and columns  $j$ , observation of the displayed test picture through the parallax barrier screen (2) by means of the camera (3), orientation of the parallax barrier screen (2) in front of the display screen (1). The method according to the invention can be carried out quickly and is therefore suitable for industrial use for the manufacture of display screens for three-dimensional representation.

IPC 8 full level

**H04N 13/04** (2006.01)

CPC (source: EP US)

**H04N 13/31** (2018.04 - EP US); **H04N 13/327** (2018.04 - EP US)

Citation (search report)

See references of WO 2009039800A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK RS

DOCDB simple family (publication)

**WO 2009039800 A1 20090402**; CN 101796849 A 20100804; DE 102007047470 B3 20090528; EP 2191656 A1 20100602; JP 2010540980 A 20101224; US 2010245824 A1 20100930

DOCDB simple family (application)

**DE 2007002134 W 20071126**; CN 200780100515 A 20071126; DE 102007047470 A 20070928; EP 07856028 A 20071126; JP 2010525187 A 20071126; US 74891710 A 20100329