

Title (en)
INDIVIDUAL VISUAL DISPLAY SYSTEM

Title (de)
PERSÖNLICHES SICHTGERÄT

Title (fr)
SYSTEME DE VISUALISATION INDIVIDUEL

Publication
EP 1336126 A1 20030820 (FR)

Application
EP 01976419 A 20011012

Priority
• FR 0103166 W 20011012
• FR 0013140 A 20001013

Abstract (en)
[origin: FR2815422A1] The individual visual display system includes a micro-screen (9) and an optical lens system projecting an image in front of the eye. A further lens then focuses this image at infinity to be viewed in a relaxed way at the eye. The individual visual display system for an image displayed on a micro-screen (9) comprises a projection system (7) to transform the image display on the micro-screen into an aerial image (6) at a short distance from the eye. The projection system comprises a field lens (10) and a projection lens (8). The micro-screen may be a liquid crystal display with a step size of 10 - 20 micrometers and VGA, SVGA or XGA format. A lens (5) is then provided relatively close to the eye in order to transform the aerial image (6) into an infinity image. The light is then focused by the pupil of the eye (1b) on to the retina.

IPC 1-7
G02B 25/00; **G02B 27/01**

IPC 8 full level
G02B 25/00 (2006.01); **G02B 27/01** (2006.01); **G02B 27/02** (2006.01); **H04N 5/64** (2006.01); **H04N 5/74** (2006.01)

CPC (source: EP US)
G02B 25/002 (2013.01 - EP US); **G02B 27/01** (2013.01 - EP US)

Citation (search report)
See references of WO 0231574A1

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)
FR 2815422 A1 20020419; **FR 2815422 B1 20030919**; EP 1336126 A1 20030820; JP 2004511935 A 20040415; JP 3886902 B2 20070228; US 2004032629 A1 20040219; WO 0231574 A1 20020418

DOCDB simple family (application)
FR 0013140 A 20001013; EP 01976419 A 20011012; FR 0103166 W 20011012; JP 2002534902 A 20011012; US 39929303 A 20030818