

Title (en)
OPTO-ELECTRONIC DISPLAY ASSEMBLY

Title (de)
OPTOELEKTRONISCHE ANZEIGENANORDNUNG

Title (fr)
AGENCEMENT D'AFFICHAGE OPTO-ELECTRONIQUE

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Application
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Abstract (en)
[origin: WO2008062129A1] The invention relates to an electronic display assembly for transmitting light signals defining an image emitted from a miniature screen (2), or screen image, to the eye (O) of a user for visualising a virtual image (I), wherein said assembly is characterised in that it comprises an assembly for dividing a source image into N screen images (IE) and it that it comprises a so-called mosaic device (3) including an outlet window (10) and ensuring the transmission of said N screen images with a space and time offset relative to each other according to a period (t) shorter than the remanence time of the eye retina divided by N, wherein each screen image (IE) is transmitted to the eye of the user for visualising a virtual sub-image (IN), the resulting and adjacent N virtual sub-images forming said total virtual image (I), and said mosaic device (3) including a member for controlling the light polarisation (5) and a spatial reconstruction member (7) of the virtual image (I). According to the invention, the mosaic device includes an optical guide (6) of a material transparent in the visible spectrum, and said optical guide is provided between said control member (5) and said spatial reconstruction member (7).

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