

Title (en)

DEVICE FOR GENERATING A MULTICOLOUR IMAGE AND HEADS-UP DISPLAY INCLUDING SUCH A DEVICE

Title (de)

VORRICHTUNG ZUR ERZEUGUNG EINES MEHRFARBIGEN BILDES UND HEAD-UP-ANZEIGE MIT SOLCH EINER VORRICHTUNG

Title (fr)

DISPOSITIF DE GÉNÉRATION D'UNE IMAGE MULTICOLORE ET AFFICHEUR TÊTE-HAUTE COMPORTANT UN TEL DISPOSITIF

Publication

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Application

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Abstract (en)

[origin: WO2017191053A1] The invention relates to a device (30) for generating a multicolour image made up of a set of pixels (4) including light sources (31, 32, 33), a control unit (20) activating, for a given pixel of the image, each source at respective activation times (tB, tV, tR), each activated source emitting a source light beam (11, 12, 13) with an emission wavelength ($\lambda_{0,B}$, $\lambda_{0,V}$, $\lambda_{0,R}$), a first optical system (34, 35, 36) directing the source beams towards diversion means (50) diverting each source beam in a diversion direction (θ_1 , θ_2 , θ_3), and a diffusion module (40) intercepting each diverted source beam (71, 72, 73) in order to generate a diffused light beam (7). According to the invention, the control unit activates the sources at activation times that are offset in time so that the source beams are diverted in diversion directions that are offset at an angle.

IPC 8 full level

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