

Title (en)

STEREOSCOPIC OPTICAL SYSTEM AND METHOD FOR PRODUCTION OF A STEREOSCOPIC OPTICAL SYSTEM

Title (de)

STEREOSKOPISCHES OPTISCHES SYSTEM UND VERFAHREN ZUR HERSTELLUNG EINES STEREOSKOPISCHEN OPTISCHEN SYSTEMS

Title (fr)

SYSTEME OPTIQUE STEREOSCOPIQUE ET PROCEDE POUR PRODUIRE UN SYSTEME OPTIQUE STEREOSCOPIQUE

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Application

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Abstract (en)

[origin: WO2007000338A1] The invention relates to a stereoscopic optical system (1), comprising a first optical partial system (2L) with a number of optical elements (31L, 32L, 33L, 34L, 35L, 36L, 37L, 38L, 39L) for provision of a left-handed beam path (4L) of the stereoscopic optical system (1) and a second optical partial system (2R) with a number of optical elements (31R, 32R, 33R, 34R, 35R, 36R, 37R, 38R, 39R) for the provision of a right-handed beam path (4R) of the stereoscopic optical system (1). At least one first optical partial element (38L) of the first optical partial system (2L) comprises a first optical surface (O1) and at least one second optical partial element (38R) of the second optical partial system (2R) comprises a second optical surface (O2). According to the invention, the first and the second optical surfaces (O1, O2) are part surfaces of a common mathematical surface which is rotationally symmetrical about a common main axis (7) of the stereoscopic optical system (1). The invention further relates to a method for production of such a stereoscopic optical system.

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