

Title (en)

OPTICAL STRUCTURE COMPRISING AN ELASTIC SUSPENSION SYSTEM AND METHOD FOR PRODUCING SAID STRUCTURE

Title (de)

OPTISCHER AUFBAU MIT ELASTISCHER AUFHÄNGUNG UND VERFAHREN ZUR HERSTELLUNG EINES SOLCHEN

Title (fr)

STRUCTURE OPTIQUE A SUSPENSION ELASTIQUE, ET SON PROCEDE DE PRODUCTION

Publication

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Application

EP 06793729 A 20060921

Priority

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- DE 102005049731 A 20051014

Abstract (en)

[origin: WO2007042385A2] The invention relates to a structure consisting of a first and second component and a connecting element, which joins the two components together and comprises at least two spring elements. The aim of the invention is to provide a structure, in particular an optical structure of the aforementioned type, in which the two components have an extremely high positional and angular degree of accuracy in relation to one another. To achieve this, each spring element has a spring constant that is at least double the value, (in two perpendicular spatial directions), of the third spatial direction, or direction of elasticity, running perpendicular to the first two spatial directions. The two spring elements have elasticity directions that do not run parallel to each other.

IPC 8 full level

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CPC (source: EP US)

G02B 7/008 (2013.01 - EP US); **G02B 6/4226** (2013.01 - EP US); **Y10T 403/217** (2015.01 - EP US)

Citation (search report)

See references of WO 2007042385A2

Citation (examination)

WO 02103417 A2 20021227 - FINISAR EUROP GMBH [DE], et al

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