

Title (en)

OPTICAL ARRANGEMENT AND METHOD FOR CONTROLLING AND INFLUENCING A LIGHT RAY

Title (de)

OPTISCHE ANORDNUNG UND VERFAHREN ZUM STEUERN UND BEEINFLUSSEN EINES LICHTSTRAHLS

Title (fr)

CONFIGURATION OPTIQUE, ET PROCÉDÉ POUR COMMANDER ET INFLUENCER UN FAISCEAU LUMINEUX

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Application

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Abstract (en)

[origin: WO2008052821A1] The invention relates to an optical arrangement, particularly for the use as a main beam splitter and/or beam combiner in a microscope, wherein one or several light rays (11, 12, 15, L₁, L₂, L₃) can be coupled into and one of the coupled light rays (11, 12, 15, L₁, L₂, L₃) can be uncoupled again after passage of the optical arrangement (1, 11). The optical arrangement is characterized in regard to as much a free influenceability as possible of the uncoupled light ray, by having a controllable microstructured element (5), for example a digital micro mirror device (DMD), arranged in the coupled light rays (11, 12, 15, L₁, L₂, L₃), making it possible for beam paths within the optical arrangement (1, 1') to be controllable. Thus the uncoupled light ray/s is/are controllable and/or can be influenced.

IPC 8 full level

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