

Title (en)

METHOD AND DEVICE FOR PRODUCING LIGHT-MICROSCOPY, THREE-DIMENSIONAL IMAGES

Title (de)

VERFAHREN UND VORRICHTUNG ZUR ERZEUGUNG LICHTMIKROSKOPISCHER, DREIDIMENSIONALER BILDER

Title (fr)

PROCEDE ET DISPOSITIF POUR PRODUIRE DES IMAGES DE MICROSCOPIE OPTIQUE TRIDIMENSIONNELLES

Publication

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Application

EP 02782898 A 20021014

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Abstract (en)

[origin: WO03036566A2] The invention relates to a device for imaging a three-dimensional object (22) as an object image (30), which comprises an imaging system, especially a microscope for imaging the object (22) and a computer. Actuators change the position of the object (22) in the x, y and z direction in a specific and rapid manner. A recording device records an image stack (26) of individual images (24) in different focal levels of the object (22). A control device controls the hardware of the imaging system, and an analytical device produces a three-dimensional elevation relief image (28) and a texture (29) from the image stack (24). A control device combines the three-dimensional elevation relief image (28) with the texture (29).

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