Title (en)

OPTICAL SCANNING MICROSCOPE AND EXAMINATION METHOD

Title (de)

OPTISCHES RASTERMIKROSKOP UND UNTERSUCHUNGSVERFAHREN

Title (fr)

MICROSCOPE À BALAYAGE OPTIQUE ET PROCÉDÉ D'EXAMEN

Publication

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Application

EP 17723981 A 20170512

Priority

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Abstract (en)

[origin: WO2017194742A1] The invention relates an optical scanning microscope (1, 2, 3), which comprises an illumination system (20) having a light source portion (100-103) emanating from a light source (100), a first polarization-dependent beam splitter (105a) and a second polarization-dependent beam splitter (105b) and a first optical channel (21) and a second optical channel (22) between the first beam splitter (105a) and the second beam splitter (105b), wherein the light source portion (100-103) is configured to emit a first illumination light beam (203) with light with a first main polarization direction and a second main polarization direction, the first beam splitter (105a) is configured to at least predominantly guide the light with the first main polarization direction into the first channel (21) and the light with the second main polarization direction into the second channel (22), the second beam splitter (105b) is configured form a second illumination light beam (24) from the light with the first main polarization direction from the first channel (21) and from light with the second main polarization direction from the second channel (22), and the channels (21, 22) are configured to emit the light with the first main polarization direction from the first channel (21) and the light with the second main polarization direction from the second channel (22) with different convergent angles. A corresponding method is likewise subject matter of the invention.

IPC 8 full level

G02B 21/00 (2006.01)

CPC (source: EP US)

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