

Title (en)

METHOD AND DEVICE FOR DETECTING AND PROCESSING IMAGES OF BIOLOGICAL TISSUE

Title (de)

VERFAHREN UND VORRICHTUNG ZUR ERFASSUNG UND BEARBEITUNG VON ABBILDUNGEN BIOLOGISCHEN GEWEBES

Title (fr)

PROCEDE ET DISPOSITIF POUR LA PRISE DE VUES D'UN TISSU BIOLOGIQUE ET LE TRAITEMENT DE CES VUES

Publication

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Application

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Abstract (en)

[origin: DE19754909A1] The invention relates to a method for detecting and processing images of biological tissue. In order to generate a digital image, an image is recorded, pre-processed and cleaned, whereby the tissue section that is to be examined is segmented and the image is analysed in order to determine specific image parameters. A digitized image of the recorded image is corrected in a series of steps that include shading and/or colour correction on the basis of brightness or colour correction variables which are determined from calibrated measurements and / or binary masks comprising an object mask, an artefact mask and a lined contour mask for marginal representation and/or a flat marginal mask are generated during image processing,. The image parameters of the tissue section are determined while the image is analysed. Said parameters characterize marginal width, marginal regularity, colour diversity, colour distribution, symmetry and/or texture.

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