Title: METHOD FOR PROCESSING AN INTENSITY IMAGE OF A MICROSCOPE

Bezeichnung: VERFAHREN ZUM BEARBEITEN EINES INTENSITÄTSBILDES EINES MIKROSКОPES

Abstract: The invention relates to a method for processing an intensity image (1) of a microscope, particularly an intensity image (1) created by means of a light microscope or a scanning electron microscope of a carrier element provided with objects (3, 4). The intensity of each pixel (2) of the intensity image (1) is determined. Additionally, a plurality of minima (Imin(S1), Imin(S2), Imin(S3), Imin(S4)) and maxima (Imax(S1), Imax(S2), Imax(S3), Imax(S4)) of the intensities of a surrounding area of each pixel (2) of the intensity image (1) are determined, the area being defined by structural elements (S1 to S4) having predetermined areas and shapes. The determined intensities of the pixels (2) of the intensity image (1) and the determined minima (Imin(S1) to Imin(S4)) and maxima (Imax(S1) to Imax(S4)) of the intensities of the surrounding area of each pixel (2) are each combined into multi-dimensional vectors.