

Title (en)  
CONFOCAL LASER SCANNING MICROSCOPE

Title (de)  
KONFOKALES LASER-SCANNING-MIKROSKOP

Title (fr)  
MICROSCOPE CONFOCAL A BALAYAGE LASER

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Application  
**EP 04765251 A 20040915**

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Abstract (en)  
[origin: WO2005033767A1] The invention relates to a confocal laser scanning microscope comprising a excitation beam path, which bundles excitation radiation into a number of spots (30) located in an object plane (11), and comprising a detection radiation path, which confocally projects the spots (30) onto a multichannel detector (15.2) by means of pinhole diaphragms (14.2). The inventive microscope also comprises a scanning device (4, 5, 37), which executes a two-dimensional relative motion between an object located in the object planes (11) and the spots (30). During a relative motion, said scanning device (4, 5, 37) displaces the spots (30) along a first direction (32) and, as a result, scans a strip of the object (34) by using the spots (30), after which it displaces the spots (30) along a second direction (33) in order to subsequently scan an adjacent strip by a displacement along the first direction (32) again.

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