

Title (en)  
OPTICAL NEAR-FIELD MICROSCOPE

Title (de)  
OPTISCHES NAHFELDMIKROSKOP

Title (fr)  
MICROSCOPE OPTIQUE A CHAMP PROCHE

Publication  
**EP 0998689 A1 20000510 (DE)**

Application  
**EP 99925007 A 19990519**

Priority  
• DE 19822869 A 19980522  
• EP 9903425 W 19990519

Abstract (en)  
[origin: US6674057B1] Near-field optical microscope with a probe tip which is arranged on one side of a light-transmitting specimen and moved in a scanning manner. The probe tip serves as a point light source. Optics for collecting light transmitted through the specimen and transmitting it to a detection unit or for collecting illumination light are provided on the other side of the specimen. The movement of the probe tip is adapted to on the detection side, or the probe serves to detect specimen light. A detection unit is arranged following the probe in the direction of illumination, and a scanning illumination adapted to the probe movement is carried out on the other side of the specimen.

IPC 1-7  
**G02B 21/00**

IPC 8 full level  
**G01Q 10/00** (2010.01); **G01Q 20/02** (2010.01); **G01Q 30/02** (2010.01); **G01Q 60/18** (2010.01); **G02B 21/00** (2006.01)

CPC (source: EP US)  
**B82Y 20/00** (2013.01 - US); **B82Y 35/00** (2013.01 - US); **G01Q 20/02** (2013.01 - EP US); **G01Q 60/22** (2013.01 - EP US)

Citation (search report)  
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Designated contracting state (EPC)  
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