

Title (en)

SCANNING PROBE MICROSCOPY IMMUNOASSAY.

Title (de)

RASTERTUNNELMIKROSKOPISCHER IMMUNOASSAY.

Title (fr)

TECHNIQUE IMMUNOLOGIQUE DE MICROSCOPIE PAR SONDE A BALAYAGE.

Publication

EP 0570535 A4 19941214 (EN)

Application

EP 92908113 A 19920228

Priority

US 66214791 A 19910228

Abstract (en)

[origin: WO9215709A1] Methods and test kits for detecting the presence of an analyte in a test sample on a molecule-by-molecule basis by using scanning probe microscopy, in which the test sample suspected of containing the analyte of interest is exposed to a test piece to which an analyte specific substance has been attached, and the test piece is scanned by scanning probe microscopy to determine the presence or absence of the analyte.

IPC 1-7

C12Q 1/68; C03C 15/00; B05D 3/06; G03F 9/00; G01N 21/00; G01N 21/66; G01N 21/68; G01N 21/75; G01N 21/76

IPC 8 full level

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CPC (source: EP)

C12Q 1/6825 (2013.01); **G01N 33/53** (2013.01); **G01N 33/54373** (2013.01); **B82Y 35/00** (2013.01)

Citation (search report)

- [Y] A.L. WEISENHORN ET AL.: "IMAGING SINGLE STRANDED-DNA, ANTIGEN-ANTIBODY REACTION AND POLYMERIZED LANGMUIR-BLODGETT FILMS WITH AN ATOMIC FORCE MICROSCOPE.", SCANNING MICROSCOPY, vol. 4, no. 3, 1990, CHICAGO IL USA, pages 511 - 516
- [Y] PATENT ABSTRACTS OF JAPAN vol. 15, no. 107 (P - 1179)<4635> 14 March 1991 (1991-03-14)
- [T] C.H. OLK ET AL: "IgG antibody and antibody-antigen complex imaging by scanning tunneling microscopy", JOURNAL OF VACUUM SCIENCE AND TECHNOLOGY, vol. B9, no. 2, 1 March 1991 (1991-03-01), WASHINGTON DC USA, pages 1268 - 1271
- See references of WO 9215709A1

Designated contracting state (EPC)

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