

Title (en)
IMAGING APPARATUS AND METHOD

Title (de)
ABBILDUNGSVORRICHTUNG UND -VERFAHREN

Title (fr)
APPAREIL ET PROCEDE D'IMAGERIE

Publication
EP 1390719 A4 20070829 (EN)

Application
EP 02718883 A 20020127

Priority
• US 0202662 W 20020127
• US 83870001 A 20010419
• US 4662002 A 20020112

Abstract (en)
[origin: WO02086468A1] Imaging apparatus (10) and method which uses change of polarization state of light beam (20) passed through a total internal reflection structure (14) by a single reflection at a TIR surface (39) in which a specimen (42) is placed in the evanescent field associated with the total internal reflection of the light beam, the specimen (42) being the subject of biological, chemical or genetic investigation.

IPC 1-7
G01N 21/17; **G01J 4/00**

IPC 8 full level
G01N 33/53 (2006.01); **G01N 21/25** (2006.01); **G01N 21/27** (2006.01); **G01N 21/55** (2006.01); **G01N 33/543** (2006.01); **G01N 37/00** (2006.01)

CPC (source: EP)
G01N 21/253 (2013.01); **G01N 21/552** (2013.01)

Citation (search report)
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• [XY] US 5313264 A 19940517 - IVARSSON BENGT [SE], et al
• [X] EP 0286195 A2 19881012 - TNO [NL]
• [Y] US 5437840 A 19950801 - KING DAVID A [US], et al
• [Y] GANG JIN ET AL: "Imaging ellipsometry for the visualization of bio-molecular layers", ENGINEERING IN MEDICINE AND BIOLOGY SOCIETY, 1998. PROCEEDINGS OF THE 20TH ANNUAL INTERNATIONAL CONFERENCE OF THE IEEE HONG KONG, CHINA 29 OCT.-1 NOV. 1998, PISCATAWAY, NJ, USA,IEEE, US, vol. 2, 29 October 1998 (1998-10-29), pages 581 - 584, XP010320597, ISBN: 0-7803-5164-9
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• See references of WO 02086468A1

Citation (examination)
EP 0067921 A1 19821229 - BATTELLE MEMORIAL INSTITUTE [CH]

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)
WO 02086468 A1 20021031; **WO 02086468 A8 20030320**; AU 2002249994 A1 20021105; EP 1390719 A1 20040225; EP 1390719 A4 20070829; IL 158473 A0 20040512; JP 2004531719 A 20041014; JP 2007178442 A 20070712; JP 4219689 B2 20090204

DOCDB simple family (application)
US 0202662 W 20020127; AU 2002249994 A 20020127; EP 02718883 A 20020127; IL 15847302 A 20020127; JP 2002583949 A 20020127; JP 2007048283 A 20070228