

Title (en)  
IMAGING APPARATUS AND METHOD

Title (de)  
ABBILDUNGSVORRICHTUNG UND -VERFAHREN

Title (fr)  
APPAREIL ET PROCEDE D'IMAGERIE

Publication  
**EP 1390719 A1 20040225 (EN)**

Application  
**EP 02718883 A 20020127**

Priority  
• US 0202662 W 20020127  
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• 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)

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**US 0202662 W 20020127**; AU 2002249994 A 20020127; EP 02718883 A 20020127; IL 15847302 A 20020127; JP 2002583949 A 20020127; JP 2007048283 A 20070228