

Title (en)

SQUID MICROSCOPE FOR ROOM TEMPERATURE SAMPLES

Title (de)

SQUID-MIKROSKOP FÜR RAUMTEMPERATURPROBEN

Title (fr)

MICROSCOPE SQUID POUR ECHANTILLONS A TEMPERATURE AMBIANTE

Publication

**EP 1449001 A1 20040825 (DE)**

Application

**EP 02787372 A 20021119**

Priority

- DE 0204245 W 20021119
- DE 10158096 A 20011127

Abstract (en)

[origin: WO03048797A1] The invention relates to a component for a SQUID microscope and to a SQUID microscope. The aim of the invention is to provide a SQUID microscope which allows the adjustment of a very small distance between the sample and the microscope tip. The invention provides a substrate that has an edge. The closed-loop track that couples the sample to the SQUID and transmits the magnetic flux is led across said edge. The two faces of the substrate defining the edge form an angle that ranges between 90 and 180 DEG . The provision of this angle makes it possible to bring the substrate together with the closed-loop track closer to the window of a vacuum chamber than previously. The sample to be tested is disposed behind said window.

IPC 1-7

**G01R 33/035**

IPC 8 full level

**G01R 33/035** (2006.01)

CPC (source: EP US)

**G01R 33/0358** (2013.01 - EP US)

Citation (search report)

See references of WO 03048797A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SK TR

DOCDB simple family (publication)

**WO 03048797 A1 20030612**; DE 10158096 A1 20030605; DE 10158096 B4 20060112; EP 1449001 A1 20040825; US 2005116719 A1 20050602

DOCDB simple family (application)

**DE 0204245 W 20021119**; DE 10158096 A 20011127; EP 02787372 A 20021119; US 49677704 A 20040524