

Title (en)

SQUID MICROSCOPE FOR ROOM TEMPERATURE SAMPLES

Title (de)

SQUID-MIKROSKOP FÜR RAUMTEMPERATURPROBEN

Title (fr)

MICROSCOPE SQUID POUR ECHANTILLONS A TEMPERATURE AMBIANTE

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Application

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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.

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