

DEVICE FOR CONTACTING AND/OR MODIFYING A SURFACE HAVING A
CANTILEVER AND A METHOD FOR PRODUCTION SAID CANTILEVER

ABSTRACT

A device for contacting and/or modifying a surface having a cantilever (3) is disclosed. The cantilever (3) is connected to an almost plane carrier element (4) staying apart from the surface. The cantilever (3) has a tip (2) at its loose end being in close contact to the surface. It is preposed that the cantilever (3) stands out of the plane of the carrier element (4). A method for producing the cantilever (3), having at its loose end tip (2), is also disclosed. The device is suitable for thermomechanical writing and thermal readout of binary information, lithographic and imaging techniques and as well for surface modification.

FIG. 2