

Title (en)

DEVICE FOR DETERMINING A MECHANICAL PROPERTY OF A SAMPLE FOR INVESTIGATION

Title (de)

VORRICHTUNG ZUR BESTIMMUNG EINER MECHANISCHEN EIGENSCHAFT EINER ZU UNTERSUCHENDEN PROBE

Title (fr)

DISPOSITIF POUR DÉTERMINER UNE PROPRIÉTÉ MÉCANIQUE D'UN ÉCHANTILLON LORS D'UN ESSAI

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2008131731A2] The invention relates to a device for determining a mechanical property of a sample for investigation, with an indenter and means for heating said indenter using laser light. The indenter has an indenter tip at the end thereof facing the sample. At least one optic fibre is provided to guide the laser light to the indenter, in particular to the indenter tip as means for heating said indenter. The invention further relates to an indenter for application in the field of nanotechnology with an extended form, an end region, designed as indenter tip, and means for heating with laser light. Said indenter can comprise an optic fibre at least partly running within the indenter, the light outlet end of which is arranged near the indenter tip.

IPC 8 full level

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