

Title (en)

DEVICE FOR OPTICALLY MEASURING DOSES OF RADIATION ABSORBED BY A GEL DOSIMETER BY MEANS OF POLARIZED LIGHT

Title (de)

VORRICHTUNG ZUR OPTISCHEN MESSUNG VON STRAHLUNGSDOSEN, DIE VON EINEM GELDOSIMETER MITTELS POLARISIERTEM LICHT ABSORBIERT WERDEN

Title (fr)

DISPOSITIF DE MESURE OPTIQUE PAR LUMIÈRE POLARISÉE DE DOSES D'IRRADIATION ABSORBÉE PAR UN GEL DOSIMÉTRIQUE

Publication

EP 3679404 A1 20200715 (FR)

Application

EP 18796700 A 20180907

Priority

- FR 1758268 A 20170907
- FR 2018052193 W 20180907

Abstract (en)

[origin: CA3075230A1] The invention relates to a device (2) for measuring radiation doses absorbed by a gel dosimeter (4), comprising in particular a means (22) for polarizing a light beam (8) according to at least two distinct polarization angles, the polarizing means (22) being positioned between a light source (6) and an optical detector (14), a unit (28) for measuring the value of the intensity of the light beam (8), which intensity is measured by the optical detector (14), and a unit (30) for calculating the value of a ratio of intensities of the light beam (8), which intensities are measured by the optical detector (14), for two distinct polarization angles of the light beam (8) that is selected by the polarizing means (22).

IPC 8 full level

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CPC (source: EP US)

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