

Title (en)
WIDE ANGLE SCATTERING DETECTOR

Title (de)
DETEKTOR FÜR WEITWINKELSTREUUNG

Title (fr)
DETECTEUR DE DISPERSION GRAND ANGLE

Publication
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Application
EP 96920356 A 19960521

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Abstract (en)
[origin: WO9637767A1] The present invention is a novel apparatus for the detection and analysis of widely scattered light that impinges on a sample target. The presently claimed apparatus operates in conjunction with a light system that focuses light (40) into a sample target (42). The sample target (42) comprises a translucent material that allows internal reflection of light at some given critical angle (i.e. a wide angle). The presently claimed apparatus comprises: a supporting structure (44), said structure supporting said sample target; at least one optical fiber (50) each fiber having a first and a second end, the first end being placed proximate to the side surface of the sample target (42) such that light scattered and transmitted through the side surface proximate to the side surface is collected by the first end; a photomultiplier tube (52) coupled to at least one second end of said optical fibers.

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