

Title (en)

APPARATUS FOR MEASURING PARTICLE FALLOUT ON A SURFACE USING A TELLTALE PLATE

Title (de)

VORRICHTUNG ZUR MESSUNG EINES TEILCHENNIEDERSCHLAGS AUF EINER OBERFLÄCHE MITTELS EINER REFERENZSCHEIBE

Title (fr)

APPAREIL DE MESURE DE RETOMBÉES DE PARTICULES SUR UNE SURFACE, UTILISANT UNE PLAQUE TEMOIN

Publication

EP 0855021 A1 19980729 (FR)

Application

EP 96932658 A 19960926

Priority

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Abstract (en)

[origin: FR2739692A1] A measuring apparatus including a ring-shaped base (11) surrounding a telltale plate (P1a) contaminated by particles. Uniformly distributed LEDs (D1, Dx) emitting on a wavelength of 630 nm are attached to the plate. In a preferred embodiment, twelve LEDs (D1, Dx) illuminate the top surface of the telltale plate (P1a) at a low angle of incidence. The lower ring-shaped structure (11) supports a cylindrical optical enclosure (10) underneath an upper ring-shaped structure (12) which in turn supports a CCD detector (122) for measuring the light diffused by the particles, and an optical filter (124) centred on the 630 nm wavelength. The filter (124) and the detector (122) may be removed and replaced with a microscope.

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