

Title (en)
DEVICE FOR THE MEASUREMENT OF THE SPECTRAL REFLECTANCE, IN PARTICULAR CONCAVE SPHERICAL MIRROR SURFACES, AND METHOD OF THE MEASUREMENT ON THIS DEVICE

Title (de)
VORRICHTUNG ZUR MESSUNG DER SPEKTRALEN REFLEXION, INSBESONDERE KONKAVER KUGELSPIEGELOBERFLÄCHEN, UND VERFAHREN ZUR MESSUNG AN DIESER VORRICHTUNG

Title (fr)
DISPOSITIF DE MESURE DE RÉFLECTANCE SPECTRALE, EN PARTICULIER DE SURFACES DE MIROIRS SPHÉRIQUES CONCAVES, ET PROCÉDÉ DE MESURE SUR CE DISPOSITIF

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Application
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Priority
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Abstract (en)
[origin: WO2022262880A1] A device for the measurement of the spectral reflectance, in particular concave spherical mirror surfaces, using a light source and a reference measurement, measurement, the essence of which consists of an interchangeable illumination block (2) and a detection block (3), which are installed near the centre (11) of curvature of the measured mirror surface (1), wherein both the illumination block (2) comprises a light source (21) and a beam reducer (22) provided with a aperture (221) and the detection block (3) comprises a hollow integrating sphere (31), to which a photodetector (33) connected to a control and evaluation computer (4) is connected, and secondly, the integrating sphere (31) is provided with an input port (311) on part of its surface, against which, on an opposite part of the inner surface of the integrating sphere (31), an affected area (312) is defined for measuring the radiation characteristics of a light beam (211) initiated in the light source (21) and passing through the aperture (221) of the beam reducer (22) and the input port (311) of the integrating sphere (31).

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