

Title (en)

ROTATION-SYMMETRICAL REFRACTION SUNDIAL

Title (de)

ROTATIONSSYMMETRISCHE BRECHUNGSSONNENUHR

Title (fr)

HORLOGE SOLAIRE À RÉFRACTION ET SYMÉTRIE DE ROTATION

Publication

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Application

EP 08784814 A 20080716

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Abstract (en)

[origin: WO2009015774A2] The invention relates to a sundial (100) made of a rotation-symmetrical, light-transparent body (11), in particular of a cylindrical body whose external surface contains a light-transmitting, light-scattering face (12), wherein sunlight (13) which is incident on that part of the external surface of a body that is not covered by the face (12) is refracted, bundled and cast onto the face (12) from the inside. In order to provide a sundial (100), in which the time of the day and the date can be determined at the same time and which can also be set up vertically and in which the angular range of the measurement is in principle not limited, the invention proposes that the face (12) and the non-covered part in the form of an annular cutout (14) completely surround the periphery of the body (11), wherein the annular cutout (14) is arranged at right angles to the axis of the body (11).

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