

Title (en)

METHOD FOR QUANTIFYING THE PHOTOCATALYTIC ACTIVITY OF SURFACES AND USE THEREOF

Title (de)

VERFAHREN ZUR QUANTIFIZIERUNG DER PHOTOKATALYTISCHEN AKTIVITÄT VON OBERFLÄCHEN UND DESSEN VERWENDUNG

Title (fr)

PROCÉDÉ DE QUANTIFICATION DE L'ACTIVITÉ PHOTOCATALYTIQUE DE SURFACES ET UTILISATION DU PROCÉDÉ

Publication

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Application

**EP 07819041 A 20071016**

Priority

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- DE 102006049009 A 20061017

Abstract (en)

[origin: WO2008046588A1] The invention describes a quantifying measurement method for measuring the photocatalytic activity of surfaces. In this case, a thin layer of stearic acid is vapour-deposited onto the photocatalytic surface to be measured. The surface is then irradiated with UV light and the amount of light scattered by the layer of stearic acid (= optical haze) is measured at defined intervals of time. If the surface is photocatalytic, the layer of stearic acid breaks down without a residue, with the result that the optical haze falls to the value of the uncoated surface. A quantitative photocatalytic activity of the surface can then be determined from the time-dependent curve profile of the optical haze.

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

See references of WO 2008046588A1

Citation (examination)

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- AGARWAL V K ET AL: "Evaporated films of stearic acid studied by x-ray diffraction", THIN SOLID FILMS, ELSEVIER-SEQUOIA S.A. LAUSANNE, CH, vol. 33, no. 3, 15 April 1976 (1976-04-15), pages L31 - L35, XP025698238, ISSN: 0040-6090, [retrieved on 19760415], DOI: 10.1016/0040-6090(76)90093-6

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