

Title (en)

MEASURING SYSTEM FOR THE OPTICAL CHARACTERIZATION OF MATERIALS AND METHOD FOR THE IMPLEMENTATION THEREOF BY SAID SYSTEM

Title (de)

MESSSYSTEM ZUR OPTISCHEN CHARAKTERISIERUNG VON MATERIALIEN SOWIE VERFAHREN ZUR REALISIERUNG DAVON MIT DIESEM SYSTEM

Title (fr)

SYSTEME DE MESURE DE LA CARACTERISATION OPTIQUE DES MATERIAUX ET PROCEDE MIS EN OEUVRE PAR LEDIT SYSTEME

Publication

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Application

EP 04767900 A 20040715

Priority

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- FR 0309449 A 20030731

Abstract (en)

[origin: WO2005012883A1] The invention relates to a measuring system for the characterization of materials i.e. determination of the optical properties thereof such as brightness, surface aspect, transparency, color (pigments and colorants) and color effects (pearly or metallic). According to the invention, said system comprises an optical sample illumination device (110, 103, 108), an optical device (100) for measuring the light reflected by the sample for treatment by a spectral decomposition device, and a mechanical support structure (300) for the optical measuring device placed above the sample. The optical measuring device (101, 102) comprises a lens formed by several simultaneous measuring points at several angles of the sample.

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