Title (en)

AUTOMATIC CONTROL OF THE HYDROPHILICITY OF A SOLID SURFACE BY INFRARED SPECTROSCOPY

Title (de)

AUTOMATISCHE KONTROLLE DER HYDROPHILIE EINER FESTEN OBERFLÄCHE MIT INFRAROTSPEKTROSKOPIE

Title (fr)

COMMANDE AUTOMATIQUE DE L'HYDROPHILIE D'UNE SURFACE SOLIDE PAR SPECTROSCOPIE INFRAROUGE

Publication

EP 1056986 A1 20001206 (DE)

Application

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Priority

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Abstract (en)

[origin: DE19855957A1] The invention relates to a method for controlling the hydrophilicity of a solid surface after a hydrophilizing treatment. According to said method, the surface is wetted with water, irradiated with infrared light, the intensity of the infrared light reflected by the surface is measured at a predetermined wavelength or at several predetermined wavelengths and the intensity measured is used to determine the median occupation with water of the surface. The method can be used, for example, for automatically controlling the effect of a purification process or a hydrophilizing treatment of plastics. If the results detected are insufficient, preferably alarm messages are output and/or measures for monitoring the preceding process steps are initiated.

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IPC 8 full level

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