

Title (en)

AN INSTRUMENT AND A METHOD FOR MEASURING THE DEGREE OF DUST AND DIRT ON A SURFACE

Title (de)

GERÄT UND VERFAHREN ZUR MESSUNG DER STAUB- UND SCHMUTZMENGE AUF EINER OBERFLÄCHE

Title (fr)

INSTRUMENT ET PROCEDE DE MESURE DU DEGRE DE POUSSIERE ET DE SALETE SUR UNE SURFACE

Publication

**EP 1147404 A1 20011024 (EN)**

Application

**EP 99964901 A 19991217**

Priority

- SE 9902405 W 19991217
- SE 9804398 A 19981217

Abstract (en)

[origin: WO0039566A1] The invention relates to a measurement instrument and a method for measuring the degree of covering of dust and dirt on a surface (30), for example in order to monitor cleaning quality, comprising a holder (2) by means of which a measurement object in the form of a test film (3) is held, during measurement, in a plane in a measurement zone (4) defined by the measurement instrument, the said test film (3) being coated with an adhesive layer (5) which, during testing on the surface (30), is intended to pick up any dust and dirt particles (31) from the said surface, the measurement instrument being distinguished in particular by: a light source (6) intended to illuminate the adhesive layer (5) of the test film (3) with obliquely incident light; a photodetector (8) intended to register the light intensity of the light reflected from the test film (3); and a processor (14) intended to compare the light intensity registered by the photodetector (8) with a predetermined calibration value, and to present a measurement value based on the said comparison, which measurement value represents the degree of covering of dust and dirt on the surface (30).

IPC 1-7

**G01N 21/88**; **G01N 21/55**

IPC 8 full level

**G01N 21/94** (2006.01); **G01N 1/02** (2006.01); **G01N 21/88** (2006.01)

CPC (source: EP)

**G01N 21/88** (2013.01)

Citation (search report)

See references of WO 0039566A1

Designated contracting state (EPC)

DE FR GB IT

DOCDB simple family (publication)

**WO 0039566 A1 20000706**; AU 3093100 A 20000731; EP 1147404 A1 20011024; JP 2002533717 A 20021008; SE 521948 C2 20031223; SE 9804398 D0 19981217; SE 9804398 L 20000618

DOCDB simple family (application)

**SE 9902405 W 19991217**; AU 3093100 A 19991217; EP 99964901 A 19991217; JP 2000591416 A 19991217; SE 9804398 A 19981217