

Title (en)

DETERMINING THE SOILING OF A WORKPIECE

Title (de)

BESTIMMEN DER VERSCHMUTZUNG EINES WERKSTÜCKS

Title (fr)

DÉTERMINATION DE L'ENCRASSEMENT D'UNE PIÈCE

Publication

EP 2906925 A1 20150819 (DE)

Application

EP 13777254 A 20131009

Priority

- DE 102012218489 A 20121010
- EP 2013071104 W 20131009

Abstract (en)

[origin: WO2014057009A1] The invention relates to a means (150) for determining the soiling of a workpiece (108). The means contains a device (155) for capturing dirt particles contained in a characteristic liquid volume on a filter diaphragm (158), said dirt particles being introduced into a liquid when the workpiece (108) is subjected to the action of the liquid. In the means (150) there is a system (169) for analysing the dirt particle load, captured by the filter diaphragm (158), from the liquid. The system (169) for analysing has an analysing means (170) connected to a computer unit (202), wherein the flat filter diaphragm (158) is in the form of a band and can be moved at least sectionally relative to the analysing means (170) by means of a transport device (160). The computer unit (202) connected to the analysing means (170) is used to determine dirt particle measured value (M) in the form of the type and/or number and/or size and/or size distribution of dirt particles (166) accumulated on the section (174) of the filter diaphragm (158).

IPC 8 full level

G01N 15/06 (2006.01); **B08B 3/02** (2006.01)

CPC (source: EP US)

B01D 39/083 (2013.01 - US); **B08B 3/14** (2013.01 - US); **G01N 15/0606** (2013.01 - EP US); **G01N 15/0625** (2013.01 - US); **G01N 21/17** (2013.01 - US); **G01N 21/35** (2013.01 - US); **H04N 5/33** (2013.01 - US); **H04N 23/20** (2023.01 - EP); **H04N 23/56** (2023.01 - US); **B01D 2239/06** (2013.01 - US); **G01N 2021/1765** (2013.01 - US)

Citation (search report)

See references of WO 2014057009A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

DE 102012218489 A1 20140410; CN 104718443 A 20150617; EP 2906925 A1 20150819; IN 1977DEN2015 A 20150814; US 2015211976 A1 20150730; WO 2014057009 A1 20140417

DOCDB simple family (application)

DE 102012218489 A 20121010; CN 201380052693 A 20131009; EP 13777254 A 20131009; EP 2013071104 W 20131009; IN 1977DEN2015 A 20150311; US 201514682793 A 20150409