

Title (en)

SENSOR DEVICE AND METHOD FOR DETECTING THE TURBIDITY OF WASH LIQUOR

Title (de)

SENSOREINRICHTUNG UND VERFAHREN ZUR ERFASSUNG DER TRÜBUNG VON SPÜLFLOTTE

Title (fr)

DISPOSITIF DE DÉTECTION ET PROCÉDÉ DE DÉTERMINATION DE LA TURBIDITÉ D'UN BAIN DE RINÇAGE

Publication

EP 2165183 A1 20100324 (DE)

Application

EP 08774545 A 20080630

Priority

- EP 2008058392 W 20080630
- DE 102007031480 A 20070706

Abstract (en)

[origin: WO2009007268A1] The invention describes a sensor device (1) and a method for detecting the turbidity of wash liquor with an optical transmitter (3) and an optical receiver (4), wherein the wash liquor to be tested flows between the transmitter (3) and the receiver (4). The sensor device (1) comprises an electronic evaluation device (11) which is designed to (a) use the optical transmitter and the receiver to carry out a reference measurement in order to determine a reference measured value (CG); (b) use the optical transmitter and the receiver to carry out a turbidity measurement on the wash liquor to be measured in order to determine a test measured value (MG); (c) relate the reference measured value (CG) to the test measured value (MG); and (d) determine a characteristic value (turb) for the determined turbidity of the wash liquor therefrom and to emit said characteristic value as a measurement signal. According to the invention, the determination of the reference measured value and the determination of the test measured value involve determining a gradient of the turbidity.

IPC 8 full level

G01N 21/53 (2006.01); **A47L 15/42** (2006.01); **D06F 34/22** (2020.01)

CPC (source: EP KR US)

A47L 15/4297 (2013.01 - EP KR US); **D06F 34/22** (2020.02 - KR); **G01N 15/06** (2013.01 - KR); **G01N 21/534** (2013.01 - EP KR US); **D06F 34/22** (2020.02 - EP US); **D06F 2103/20** (2020.02 - EP KR US); **D06F 2105/02** (2020.02 - EP KR US); **D06F 2105/52** (2020.02 - EP KR US)

Citation (search report)

See references of WO 2009007268A1

Designated contracting state (EPC)

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

Designated extension state (EPC)

AL BA MK RS

DOCDB simple family (publication)

DE 102007031480 A1 20090108; **DE 102007031480 B4 20090514**; CN 101688833 A 20100331; CN 101688833 B 20121010; EP 2165183 A1 20100324; KR 20100033526 A 20100330; RU 2010102005 A 20110820; RU 2468357 C2 20121127; US 2010195091 A1 20100805; US 8441646 B2 20130514; WO 2009007268 A1 20090115

DOCDB simple family (application)

DE 102007031480 A 20070706; CN 200880023641 A 20080630; EP 08774545 A 20080630; EP 2008058392 W 20080630; KR 20107002379 A 20080630; RU 2010102005 A 20080630; US 66769708 A 20080630