

Title (en)

PULVERIZED MATERIAL SUPPLY CONDUIT WITH OPTICAL SENSOR AND METHOD FOR MEASURING THE COMPOSITION OF PULVERIZED MATERIAL

Title (de)

STAUBLEITUNG MIT OPTISCHEM SENSOR UND VERFAHREN ZUR MESSUNG DER ZUSAMMENSETZUNG VON STAUB

Title (fr)

CONDUIT POUR LA MATIÈRE PULVÉRISÉE AVEC CAPTEUR OPTIQUE ET PROCÉDÉ POUR MESURER LA COMPOSITION DE LA MATIÈRE PULVÉRISÉE

Publication

EP 2946191 A1 20151125 (DE)

Application

EP 14705317 A 20140211

Priority

- DE 102013203109 A 20130226
- EP 2014052594 W 20140211

Abstract (en)

[origin: WO2014131611A1] The invention relates to a dust line with an optical sensor and to a method for measuring a property of dust. The dust line according to the invention for transporting dust in an automated process comprises at least one optical sensor for monitoring the property of the dust. The optical sensor is arranged in an indentation of the dust line, said indentation being equipped with at least one gas inlet nozzle for removing the dust from the optical sensor. In the method according to the invention for measuring a property of dust in a dust line, dust is transported through a dust line. An optical property of the dust is measured using at least one optical sensor arranged in an indentation of the dust line, and the dust is then removed from the optical sensor by blowing in air using at least one gas inlet nozzle arranged in the indentation.

IPC 8 full level

G01N 15/00 (2006.01); **G01N 15/02** (2006.01); **G01N 15/06** (2006.01); **G01N 21/15** (2006.01); **G01N 21/35** (2014.01); **G01N 21/47** (2006.01); **G01N 21/53** (2006.01); **G01N 21/55** (2006.01); **G01N 21/84** (2006.01); **G01N 21/85** (2006.01); **G01N 33/24** (2006.01); **G01N 21/3554** (2014.01); **G01N 21/3563** (2014.01); **G01N 21/552** (2014.01)

CPC (source: EP US)

G01N 15/0205 (2013.01 - US); **G01N 15/0612** (2013.01 - EP US); **G01N 21/15** (2013.01 - EP US); **G01N 21/53** (2013.01 - EP US); **G01N 21/8507** (2013.01 - EP US); **G01N 33/24** (2013.01 - EP US); **G01N 21/3554** (2013.01 - EP US); **G01N 21/3563** (2013.01 - EP US); **G01N 21/474** (2013.01 - EP US); **G01N 21/552** (2013.01 - EP US); **G01N 2015/0096** (2013.01 - EP US); **G01N 2021/151** (2013.01 - EP US); **G01N 2021/3595** (2013.01 - EP US); **G01N 2021/536** (2013.01 - EP US); **G01N 2021/8411** (2013.01 - EP US); **G01N 2021/8528** (2013.01 - EP US)

Citation (search report)

See references of WO 2014131611A1

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 102013203109 A1 20140828; CN 105008894 A 20151028; EP 2946191 A1 20151125; US 2016003736 A1 20160107; US 9599557 B2 20170321; WO 2014131611 A1 20140904

DOCDB simple family (application)

DE 102013203109 A 20130226; CN 201480010598 A 20140211; EP 14705317 A 20140211; EP 2014052594 W 20140211; US 201414770663 A 20140211