

Title (en)

OBTAINING DATA FROM A MOVING PARTICULATE PRODUCT

Title (de)

GEWINNUNG VON DATEN AUS EINEM SICH BEWEGENDEN TEILCHENFÖRMIGEN PRODUKT

Title (fr)

OBTENTION DE DONNÉES À PARTIR D'UN PRODUIT PARTICULAIRE MOBILE

Publication

EP 3914902 A4 20221109 (EN)

Application

EP 20745043 A 20200123

Priority

- ZA 201900491 A 20190124
- IB 2020050511 W 20200123

Abstract (en)

[origin: WO2020152609A2] A sensor structure (10) is used for obtaining data from a moving stream of particulate material (11), with a light source (56) providing a focussed light beam (64) to illuminate the particles (11) and a light receiver (54) receiving light reflected off the illuminated particles (11) and transmitting the light to an optical sensor. The light from the illuminated particles (11) in a small analysis zone (65) is analysed during short intervals, so that light from only one particle is analysed at a time. The light from a large number of individual particles (11) is analysed separately and an analysis result is calculated from the analysis of the light reflected from the multiple individual particles (11).

IPC 8 full level

G01N 21/85 (2006.01); **G01N 15/10** (2006.01); **G01N 15/14** (2006.01); **G01N 21/01** (2006.01); **G01N 21/17** (2006.01); **G01N 33/24** (2006.01); **G01N 21/15** (2006.01); **G01N 21/84** (2006.01)

CPC (source: EP)

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Citation (search report)

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- [X1] US 2013100444 A1 20130425 - CHESNER WARREN H [US], et al
- [XAI] US 2016263624 A1 20160915 - BALTHASAR DIRK [DE], et al
- [A] DE 102014219375 A1 20160331 - SIEMENS AG [DE]
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- See also references of WO 2020152609A2

Designated contracting state (EPC)

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WO 2020152609 A2 20200730; WO 2020152609 A3 20200903; AU 2020211063 A1 20210916; AU 2020211063 A8 20211007; BR 112021014521 A2 20210928; CA 3127172 A1 20200730; CN 113439206 A 20210924; EP 3914902 A2 20211201; EP 3914902 A4 20221109; MA 54017 A1 20220531; MA 54017 B1 20220831; ZA 202105896 B 20220831

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