

Title (en)

DEVICE FOR DETERMINING PARAMETERS OF A BULK MATERIAL PARTICLE FLOW

Title (de)

VORRICHTUNG ZUR BESTIMMUNG VON PARAMETERN EINES SCHÜTTGUT-PARTIKELSTROMES

Title (fr)

DISPOSITIF DE DÉTERMINATION DE PARAMÈTRES D'UN FLUX DE PARTICULES DE MATIÈRE EN VRAC

Publication

**EP 2082213 A1 20090729 (DE)**

Application

**EP 07821586 A 20071019**

Priority

- EP 2007061222 W 20071019
- DE 102006049517 A 20061020

Abstract (en)

[origin: WO2008046914A1] Disclosed is a device for determining particle parameters of a particle flow, comprising a detection and evaluation unit that encompasses one or more cameras (2) and is used for determining particle parameters by digitally evaluating digital image files generated by the camera in a backlighting process. Said device is characterized by an NIR spectrometer which is integrated into the device and is used for determining the material properties of the particles in the particle flow. Alternatively, a color identifying camera operated in a vertical illumination process can be used for determining color data on the particles of the particle flow.

IPC 8 full level

**G01N 15/14** (2006.01); **G01N 15/02** (2006.01)

CPC (source: EP)

**G01N 15/0227** (2013.01); **G01N 21/3563** (2013.01); **G01N 21/359** (2013.01); **G01N 21/85** (2013.01); **G01N 2015/0096** (2013.01); **G01N 2015/0294** (2013.01)

Citation (search report)

See references of WO 2008046914A1

Citation (examination)

EP 1894461 A1 20080305 - MONSANTO AGRAR DEUTSCHLAND GMB [DE]

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

**DE 102006049517 A1 20080424**; EP 2082213 A1 20090729; WO 2008046914 A1 20080424

DOCDB simple family (application)

**DE 102006049517 A 20061020**; EP 07821586 A 20071019; EP 2007061222 W 20071019