

Title (en)

Method and device for monitoring the automated emptying of a centrifuge

Title (de)

Verfahren und Vorrichtung zur Überwachung der automatisierten Entleerung einer Zentrifuge

Title (fr)

Procédé et dispositif destinés à surveiller le vidage automatisé d'une centrifugeuse

Publication

EP 2196266 A2 20100616 (DE)

Application

EP 09176436 A 20091119

Priority

DE 102008062055 A 20081212

Abstract (en)

The method involves providing a drum with a set of discontinuously closable discharge openings (3) for feeding through discrete drains of the drum. The discrete drains of the drum are monitored and/or controlled by a measuring and control unit (4) based on speed of the drum. The speed of the drum is detected by the measuring and control unit using magnetic or optical sensors. A piston valve (5) is provided for feeding through of the drains through the openings. The openings are closed during the discharge after falling below a predetermined speed. An independent claim is also included for a device for separation or purification of material of mixtures in a centrifugal field of a rotating drum of a centrifuge.

Abstract (de)

Vorrichtung zur automatischen Entleerung von Stoffen unterschiedlicher Dichte in einer diskontinuierlich arbeitenden Separationsanlage, wobei die Entleerung mindestens eines Stoffes aus der Trommel (1) durch eine Mess- und Steuereinheit (4) in Abhängigkeit von Drehzahl der Trommel (1) überwacht und gesteuert wird.

IPC 8 full level

B04B 11/04 (2006.01)

CPC (source: EP)

B04B 1/14 (2013.01); **B04B 11/04** (2013.01)

Citation (applicant)

DE 4414602 A1 19951102 - PFEIFER & LANGEN [DE]

Citation (examination)

- US 2955754 A 19601011 - AAGE NYROP
- DE 3409068 A1 19850926 - WESTFALIA SEPARATOR AG [DE]

Cited by

US11420215B2; CN108787190A; WO2018224400A1; WO2018177711A1; US10040076B2; EP2830777B1

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 MK MT NL NO PL PT RO SE SI SK SM TR

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

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