

Title (en)

Device for separating magnetisable parts

Title (de)

Vorrichtung zum Abscheiden von magnetisierbaren Teilchen

Title (fr)

Appareil pour la séparation de particules magnétisables

Publication

EP 2143497 A2 20100113 (DE)

Application

EP 09009074 A 20090710

Priority

- DE 202008009330 U 20080711
- DE 202009001074 U 20090128

Abstract (en)

The device (1) has a chamber (2) with an inlet (20) for particle-loaded goods and an outlet (21) for purified goods, where a magnetic component (4) is arranged in the chamber. The component is shiftable into vibration by a vibration drive (3) and designed as a grate. The chamber is surrounded by a housing (22) that includes an opening for insertion of the component. The drive is arranged at the housing and on an outer cover of the component. The drive is designed as a magnetic drive, pneumatic vibration drive, hydraulic vibration drive, ultrasonic drive and unbalance drive.

Abstract (de)

Die Erfindung betrifft eine Vorrichtung zum kontinuierlichen Abscheiden von magnetisierbaren Teilchen aus Schütt oder fließfähigen Gut. Die Vorrichtung weist eine Kammer für den Einlass für teilchenbelastetes Gut und einen Auslass für das gereinigte Gut auf. In der Kammer ist ein Magnetbauteil angeordnet, welches durch einen Vibrationsantrieb in Vibrationen versetzbar ist.

IPC 8 full level

B03C 1/18 (2006.01); **B03C 1/033** (2006.01); **B03C 1/26** (2006.01)

CPC (source: EP)

B03C 1/0332 (2013.01); **B03C 1/18** (2013.01); **B03C 1/26** (2013.01); **B03C 2201/18** (2013.01); **B03C 2201/20** (2013.01); **B03C 2201/28** (2013.01)

Citation (applicant)

US 5066390 A 19911119 - RHODES KEITH J [US], et al

Cited by

CN113522519A; CN111921704A; CN116651614A; GB2617217A; CN117414948A; WO2015032556A1; WO2016084686A1; DE102021006494B3

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)

EP 2143497 A2 20100113; **EP 2143497 A3 20110126**; **EP 2143497 B1 20150902**; DE 202009001074 U1 20100812; PL 2143497 T3 20160429

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