

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 A3 20110126 (DE)**

Application

**EP 09009074 A 20090710**

Priority

- DE 202008009330 U 20080711
- DE 202009001074 U 20090128

Abstract (en)

[origin: EP2143497A2] 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.

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 (search report)

- [X] JP H05192605 A 19930803 - NIKKA RIKEN KK
- [X] JP H0833855 A 19960206 - SUGIYAMA KAZUMI, et al
- [X] US 5066390 A 19911119 - RHODES KEITH J [US], et al
- [X] US 3033369 A 19620508 - KRAGLE HARRY A
- [X] CN 2269243 Y 19971203 - KEGUANG MAGNETIC MATERIAL CO L [CN]
- [X] CN 200995168 Y 20071226 - HUATE MAGNETIC ELECTRIC APPARA [CN]
- [X] JP S58104645 A 19830622 - KOGYO GIJUTSUIN
- [Y] GB 676487 A 19520730 - SAMUEL G FRANTZ
- [Y] US 5043063 A 19910827 - LATIMER MICHAEL W [US]

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)

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