

Title (en)

Device for mechanically separating material conglomerates from materials of various densities and/or consistency

Title (de)

Vorrichtung zum mechanischen Trennen von Materialkonglomeraten aus Materialien unterschiedlicher Dichte und/oder Konsistenz

Title (fr)

Dispositif destiné à la séparation mécanique de conglomerats de matière à partir de matières de différentes épaisseurs et/ou consistances

Publication

**EP 2529835 B1 20190501 (DE)**

Application

**EP 12170392 A 20120601**

Priority

DE 102011050789 A 20110601

Abstract (en)

[origin: EP2529835A2] The device (10) has a separation chamber with a supply side (34) and an exhaust side (38), where the separation chamber is surrounded by a cylindrical separation chamber wall. Two successive sections (22,24,26) of the separation chamber are provided in an axial direction, where a rotor (16,18,20) is arranged in each section with the striking tools (42,44,46,48,50,52) extending into the separation chamber in a radial manner. The rotor has a rotor casing (17,19,21), whose radius increases from the supply side to the exhaust side.

IPC 8 full level

**B02C 13/14** (2006.01); **B02C 13/20** (2006.01); **B02C 13/282** (2006.01)

CPC (source: EP US)

**B02C 13/14** (2013.01 - EP US); **B02C 13/20** (2013.01 - EP US); **B02C 13/282** (2013.01 - EP US)

Cited by

EP2851122A1; CN105555408A; AU2014323337B2; US10525478B2; WO2015039855A1; EP3827899A1; WO2021104683A1

Designated contracting state (EPC)

AL 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 RS SE SI SK SM TR

DOCDB simple family (publication)

**EP 2529835 A2 20121205; EP 2529835 A3 20171122; EP 2529835 B1 20190501**; CA 2837763 A1 20121220; CA 2837763 C 20161213; CN 103648652 A 20140319; CN 103648652 B 20160217; DE 102011050789 A1 20121206; DK 2529835 T3 20190805; HU E045830 T2 20200128; JP 2014527457 A 20141016; JP 6159718 B2 20170705; RU 2013157304 A 20150720; RU 2596758 C2 20160910; US 2012325949 A1 20121227; US 8777142 B2 20140715; WO 2012171597 A1 20121220

DOCDB simple family (application)

**EP 12170392 A 20120601**; CA 2837763 A 20120404; CN 201280029359 A 20120404; DE 102011050789 A 20110601; DK 12170392 T 20120601; EP 2012001603 W 20120404; HU E12170392 A 20120601; JP 2014513062 A 20120404; RU 2013157304 A 20120404; US 201213486215 A 20120601