

Title (en)

Hammer mill, rotor of a hammer mill, impact bolts, and catching device and locking device

Title (de)

Hamtermühle, Rotor einer Hamtermühle, Schlägerbolzen, sowie Auffangeinrichtung und Feststelleinrichtung

Title (fr)

Broyeur à marteaux, rotor d'un broyeur à marteaux, boulon de percussion, ainsi que dispositif collecteur et dispositif de fixation

Publication

EP 2514530 A2 20121024 (DE)

Application

EP 12176563 A 20110107

Priority

- EP 11700123 A 20110107
- EP 10150863 A 20100115
- EP 12176563 A 20110107

Abstract (en)

The hammer mill has a lockable milling chamber (2) and a rotor (10) disposed in the milling chamber, where the rotor has a rotor shaft (11), multiple rotor disks (12,18) dividing the rotor into multiple sections (15,15'), and multiple hammer pins (20) for receiving hammers (23) or hammer packets. The hammer pins are not extended over all sections. Independent claims are also included for the following: (1) a collecting device for collecting hammers of a rotor of a hammer mill; and (2) a locking device for locking a rotor of a hammer mill.

Abstract (de)

Hamtermühle (1) mit einem verschliessbaren Mahlraum (2) und einem im Mahlraum (2) angeordneten Rotor (10), welcher eine Rotorwelle (11), mehrere Rotorscheiben (12, 12', 18, 19), welche den Rotor (10) in mehrere Segmente (15, 15', 15'') aufteilen, und mehrere Schlägerbolzen (20, 20', 20'') zur Aufnahme von Schlägern (23) oder Schlägerpaketen (32) umfasst, wobei die Schlägerbolzen (20, 20', 20'') nicht über alle Segmente (15, 15', 15'') reichen.

IPC 8 full level

B02C 13/28 (2006.01); **B02C 13/04** (2006.01); **B02C 13/282** (2006.01)

CPC (source: CN EP US)

B02C 13/04 (2013.01 - CN EP US); **B02C 13/28** (2013.01 - CN EP US); **B02C 13/282** (2013.01 - CN EP US)

Citation (applicant)

DE 10253345 A1 20040527 - H I PALLMANN INNOVATION GMBH & [DE]

Cited by

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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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 2345479 A1 20110720; BR 112012017524 A2 20190924; CN 102711996 A 20121003; CN 102711996 B 20141224; CN 104525312 A 20150422; CN 104525312 B 20171117; DK 2421653 T3 20140127; EP 2421653 A2 20120229; EP 2421653 B1 20131030; EP 2514530 A2 20121024; EP 2514530 A3 20130410; ES 2442774 T3 20140213; PL 2421653 T3 20140430; US 2012286082 A1 20121115; US 8608099 B2 20131217; WO 2011086035 A2 20110721; WO 2011086035 A3 20111013

DOCDB simple family (application)

EP 10150863 A 20100115; BR 112012017524 A 20110107; CN 201180005921 A 20110107; CN 201410670488 A 20110107; DK 11700123 T 20110107; EP 11700123 A 20110107; EP 12176563 A 20110107; EP 2011050159 W 20110107; ES 11700123 T 20110107; PL 11700123 T 20110107; US 201113521826 A 20110107