Title (en)

PRESSURIZED IMPACT MILL

Title (de)

UNTER DRUCK STEHENDE SCHLAGMÜHLE

Title (fr)

BROYEUR À PERCUSSION SOUS PRESSION

Publication

EP 2376229 A4 20170315 (EN)

Application

EP 09838180 A 20091221

Priority

- FI 2009051024 W 20091221
- FI 20090011 A 20090114

Abstract (en)

[origin: WO2010081933A1] The invention concerns a method for maintaining of an overpressure in an impact mill during treatment of material to be carried out therein, and an impact mill that can be pressurized. The method is characterized in that the material components needed are fed into the rotor space by a feeding arrangement enduring pressure differences; the material exiting from the rotor space is discharged by a discharge arrangement enduring pressure differences, and the target pressure in the rotor space is secured by a pressurized gasket fluid, the pressure of which is kept at least the same as the target pressure of the rotor space, or preferably slightly higher than the target pressure of the rotor space. The gasket fluid is led beneath a gasket located between the rotor shafts, and/or beneath a gasket located between the rotor shaft and a support adjacent thereto.

IPC 8 full level

B02C 13/286 (2006.01); **B02C 13/20** (2006.01); **B02C 13/24** (2006.01)

CPC (source: EP FI)

B02C 13/205 (2013.01 - EP); **B02C 13/22** (2013.01 - FI); **B02C 13/24** (2013.01 - EP); **B02C 13/286** (2013.01 - EP FI)

Citation (search report)

- [IA] WO 2008122691 A1 20081016 - FRACTIVATOR OY [FI], et al
- [A] US 6202946 B1 20010320 - VIRTANEN HANNU [FI]
- [A] US 3765613 A 19731016 - STEINIGER H
- See references of WO 2010081933A1

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

DOCDB simple family (publication)

WO 2010081933 A1 20100722; EP 2376229 A1 20111019; EP 2376229 A4 20170315; FI 124439 B 20140829; FI 20090011 A0 20090114; FI 20090011 A 20100715

DOCDB simple family (application)

FI 2009051024 W 20091221; EP 09838180 A 20091221; FI 20090011 A 20090114