

Title (en)
GRINDING UNIT HAVING COOLING DEVICE

Title (de)
MAHLEINHEIT MIT KÜHLEINRICHTUNG

Title (fr)
UNITÉ DE BROYAGE AVEC DISPOSITIF DE REFROIDISSEMENT

Publication
EP 2061600 B1 20110622 (DE)

Application
EP 07803157 A 20070903

Priority
• EP 2007059170 W 20070903
• DE 102006042825 A 20060908

Abstract (en)
[origin: WO2008028883A1] The invention relates to a grinding unit (2) for a vibration mill (1), particularly a disk vibration mill, wherein a milling chamber (3) is configured in the grinding unit (2), the chamber being delimited on the side by a grinding wall (4) and comprising a cooling device (38) surrounding the wall. In order to achieve a practical improvement, the cooling device (38) comprises two or more cooling channels (39) abutting the grinding wall (4) from the outside and disposed circumferentially along at least one common circumferential section of the grinding wall (4), wherein adjacent cooling channels (39) are spaced from each other at least circumferentially in section by a circumferentially extending support projection (41). The support projection (41) supports the grinding wall (4) against a housing (11) surrounding it from the outside. The invention further relates to a vibration mill (1), particularly a disk vibration mill, having said grinding unit incorporated.

IPC 8 full level
B02C 17/14 (2006.01)

CPC (source: EP)
B02C 17/14 (2013.01)

Cited by
WO2020234062A1; DE102019207224A1; CN109482313A

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA HR MK RS

DOCDB simple family (publication)
WO 2008028883 A1 20080313; AT E513618 T1 20110715; AU 2007293940 A1 20080313; AU 2007293940 B2 20110414; CN 101557876 A 20091014; CN 101557876 B 20120613; DE 102006042825 A1 20080327; EP 2061600 A1 20090527; EP 2061600 B1 20110622; ES 2364592 T3 20110907

DOCDB simple family (application)
EP 2007059170 W 20070903; AT 07803157 T 20070903; AU 2007293940 A 20070903; CN 200780041401 A 20070903; DE 102006042825 A 20060908; EP 07803157 A 20070903; ES 07803157 T 20070903