

Title (en)  
IMPROVED BOWL MILL

Title (de)  
VERBESSERTE SCHÜSSELMÜHLE

Title (fr)  
BROYEUR PENDULAIRE PERFECTIONNÉ

Publication  
**EP 3370877 A1 20180912 (FR)**

Application  
**EP 16806255 A 20161107**

Priority  
• FR 1560611 A 20151105  
• FR 2016052877 W 20161107

Abstract (en)  
[origin: WO2017077258A1] Compression bowl mill allowing mineral substances to be reduced to a fine powder, of the type comprising: - a cylindrical enclosure provided with a horizontal base (bottom); - a ring-shaped element concentric with the enclosure and inside the latter; - a rotary central shaft; - at least two pebbles each mounted with the ability to rotate on a pendular rod; - a connecting system between the central shaft and the pendular structures, fixed by a rigid connection to the central shaft and by pivot connection means between each pendular structure, so as to allow materials situated between the pebbles and the interior wall of the ring to be crushed; - means for supporting and holding the shaft; - means for driving the rotation of the shaft, characterized in that the means for supporting and holding the shaft are external to the enclosure and independent thereof.

IPC 8 full level  
**B02C 15/02** (2006.01)

CPC (source: EP)  
**B02C 15/02** (2013.01)

Citation (search report)  
See references of WO 2017077258A1

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)  
**WO 2017077258 A1 20170511**; EP 3370877 A1 20180912; EP 3370877 B1 20220803; ES 2929108 T3 20221124; FR 3043342 A1 20170512; FR 3043342 B1 20211210

DOCDB simple family (application)  
**FR 2016052877 W 20161107**; EP 16806255 A 20161107; ES 16806255 T 20161107; FR 1560611 A 20151105