

Title (en)  
LABORATORY BALL MILL

Title (de)  
LABORKUGELMÜHLE

Title (fr)  
BROYEUR À BOULETS DE LABORATOIRE

Publication  
**EP 4192621 A1 20230614 (DE)**

Application  
**EP 22769927 A 20220829**

Priority

- DE 102021122355 A 20210830
- DE 102021126268 A 20211011
- DE 102021128267 A 20211029
- EP 2022073910 W 20220829

Abstract (en)  
[origin: WO2023031097A1] The invention relates to a laboratory ball mill (1), in particular a vibration mill, centrifugal ball mill, or planetary ball mill, also in particular a planetary ball mill having a transmission ratio of 1:-1, comprising: at least one grinding jar holder (4) for at least one grinding jar (5), said grinding jar holder being located on a machine part (3) of the ball mill (1) which is moved during the grinding operation of the ball mill (1); a clamping device (6) which is located on the moving machine part (3), for transmitting a clamping force to the grinding jar (5); and a coupling device (12) having at least one coupling element (13), energy being transmitted from the stationary machine part (2) to the moving machine part (3) via the coupling device (12) in order to generate the clamping force. According to the invention, the coupling element (13) is coupled to the stationary machine part (2) and to the moving machine part (3) during the grinding operation.

IPC 8 full level  
**B02C 17/14** (2006.01); **B02C 17/08** (2006.01)

CPC (source: EP)  
**B02C 17/14** (2013.01); **B02C 17/08** (2013.01)

Citation (search report)  
See references of WO 2023031097A1

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

Designated validation state (EPC)  
KH MA MD TN

DOCDB simple family (publication)  
**WO 2023031097 A1 20230309**; EP 4192621 A1 20230614

DOCDB simple family (application)  
**EP 2022073910 W 20220829**; EP 22769927 A 20220829