

Title (en)
BALL MILL COMPRISING LOCKING MEANS

Title (de)
KUGELMÜHLE MIT RASTMITTELN

Title (fr)
BROYEUR A BOULETS POURVU DE MOYENS D'ENCLIQUETAGE

Publication
EP 1933985 A1 20080625 (DE)

Application
EP 06828804 A 20061005

Priority
• EP 2006009643 W 20061005
• DE 202005015896 U 20051007
• DE 202006007799 U 20060513

Abstract (en)
[origin: WO2007042203A1] The aim of the invention is to produce a compact ball mill wherein the milling vessel can be installed in a rapid, reliable and simple in the receiving device and the milling cup can be closed by means of a cover and the milling vessel can be secured to the receiving device in such a manner that they can be uncoupled from each other. The inventive ball mill, in particular, planetary or centrifugal force ball mill, having a size which is adapted to the laboratory, comprises a housing (8), a support device (1) which is rotationally mounted about the central axis (15) on the housing (8), at least one receiving device (2) for at least one milling vessel (5) which is rotationally mounted about a receiving axis (25) on the support device (1) and is guided therefrom about the central axis (15), a drive (17) for the support device (1), a drive (27) for the receiving device (2), at least one milling vessel (5) which can be filled with milling balls and which comprises a milling cup (51) and a cover (2) for closing the milling cup in a detachable manner. The milling vessel (5) is maintained in the receiving device (2) in a target position when it is completely installed in the receiving device (2), and the receiving device (2) and the milling vessel (5) comprise holding means (92, 93, 932, 935, 95) which are complementary to each other in order to detachably secure the milling vessel (5) to the target position in the receiving device (2).

IPC 8 full level
B02C 17/08 (2006.01)

CPC (source: EP)
B02C 17/08 (2013.01)

Citation (search report)
See references of WO 2007042203A1

Cited by
DE102012007530B4; DE102010044254B4; CN113573814A; DE102012009983A1; DE102012009985A1; DE102010044254A1; DE102012009982A1; WO2012041982A1; DE102012009984A1; DE102012007530A1; DE102012009987A1; DE102012009987B4

Designated contracting state (EPC)
DE FR

DOCDB simple family (publication)
WO 2007042203 A1 20070419; DE 502006005687 D1 20100128; EP 1933985 A1 20080625; EP 1933985 B1 20091216

DOCDB simple family (application)
EP 2006009643 W 20061005; DE 502006005687 T 20061005; EP 06828804 A 20061005