

Title (en)
BALL MILL WITH MEANS FOR DETECTING THE OPERATIONAL STATE

Title (de)
KUGELMÜHLE MIT DETEKTION DES BETRIEBSZUSTANDS

Title (fr)
BROYEUR A BOULETS AVEC DETECTION DE L'ETAT DE FONCTIONNEMENT

Publication
EP 1933984 B1 20091216 (DE)

Application
EP 06806054 A 20061005

Priority

- EP 2006009642 W 20061005
- DE 202005015896 U 20051007
- DE 202006006747 U 20060424

Abstract (en)
[origin: WO2007042202A1] The aim of the invention is to prevent the uncontrolled development of imbalances during the operation of a centrifugal force ball mill or planetary ball mill and to allow them to be operated in the mill only when the milling vessels are correctly installed in the respective receiving device. According to the invention, the ball mills, in particular planetary or centrifugal ball mills, having a size adapted to a laboratory, comprise a detection device which is used to identify the operational state. Said detection device comprises a release button (310) which adopts a release state when the milling vessel (5) is completely installed in the receiving device (2), and a control device (320) which is used to detect the release state of the release button (310).

IPC 8 full level
B02C 17/08 (2006.01)

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

Cited by
CN106964431A; DE102012007530B4; DE102012009983A1; DE102012009985A1; DE102012009984A1; DE102012009982A1; DE102012007530A1; DE102012009987A1; DE102012009987B4

Designated contracting state (EPC)
DE FR

DOCDB simple family (publication)
WO 2007042202 A1 20070419; DE 502006005686 D1 20100128; EP 1933984 A1 20080625; EP 1933984 B1 20091216

DOCDB simple family (application)
EP 2006009642 W 20061005; DE 502006005686 T 20061005; EP 06806054 A 20061005