

Title (en)
LABORATORY VIBRATION GRINDING MILL HAVING INCLINED GRINDING BEAKERS

Title (de)
LABORSCHWINGMÜHLE MIT SCHRÄGGGESTELLTEN MAHLBECHERN

Title (fr)
BROYEUR VIBRANT DE LABORATOIRE AVEC GODETS DE BROYAGE INCLINÉS

Publication
EP 2170518 B1 20150909 (DE)

Application
EP 08784741 A 20080712

Priority
• EP 2008005707 W 20080712
• DE 102007032893 A 20070714

Abstract (en)
[origin: WO2009026990A1] The invention relates to a laboratory vibration grinding mill having a circular oscillating drive acting at least in a two-dimensional manner, and having at least one fixture for an elongated grinding beaker clamped therein, comprising a filling of milling bodies, and equipped with frontal grinding beaker bases, characterized in that the fixture (9) for the grinding beaker (8) is configured such that the longitudinal axis (L) of the grinding beakers (8) forms an angle having a movement plane (20) of the circular oscillating drive (10), the angle being smaller than 90° such that the frontal grinding beaker bases are incorporated into the comminution process as the stop and grinding surface due to the movement paths of the grinding bodies in the grinding beakers (8) caused by the inclined position of the grinding beaker (8) in relation to the movement plane of the circular oscillating drive (10).

IPC 8 full level
B02C 17/14 (2006.01)

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

Cited by
DE102013111934B4

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MT NL NO PL PT RO SE SI SK TR

DOCDB simple family (publication)
WO 2009026990 A1 20090305; CN 101743066 A 20100616; CN 101743066 B 20111116; EP 2170518 A1 20100407; EP 2170518 B1 20150909; JP 2010533577 A 20101028; JP 5464499 B2 20140409; RU 2010100348 A 20110820; RU 2477660 C2 20130320; US 2010181402 A1 20100722; US 8042754 B2 20111025

DOCDB simple family (application)
EP 2008005707 W 20080712; CN 200880024731 A 20080712; EP 08784741 A 20080712; JP 2010516408 A 20080712; RU 2010100348 A 20080712; US 66915208 A 20080712