

Title (en)
CIRCULATING MILL SYSTEM WITH EXTERNAL RISING PIPES

Title (de)
UMWÄLZMAHLANLAGE MIT AUSSEN LIEGENDEN STEIGROHREN

Title (fr)
DISPOSITIF DE CONCASSAGE À CIRCULATION COMPORTANT DES TUYAUX MONTANTS EXTERNES

Publication
EP 2271428 A1 20110112 (DE)

Application
EP 09729532 A 20090408

Priority
• EP 2009054179 W 20090408
• DE 102008018488 A 20080411
• DE 102008019830 A 20080419

Abstract (en)
[origin: WO2009124952A1] The invention relates to a circulating mill having the following: at least two roll presses for comminuting the milling product, at least two first classifiers for sifting oversize material, at least one second classifier for sifting a fine-grain or middle-grain fraction from the fractions that have not been sifted out in the first two classifiers. The feed material that is supplied to the circulating mill passes through the two or more roll presses, the two or more first classifiers and the one or more second classifier and the middle-grain fraction and oversize fraction from the two or more first classifiers are re-supplied to the roll presses, said two or more first classifiers being situated below the two or more roll presses. According to the invention, the roll presses are placed between at least two rising pipes for transporting the circulating milled material. This produces a favourable static construction for the entire system and a favourable location of the roll press for maintenance purposes.

IPC 8 full level
B02C 4/02 (2006.01); **B02C 23/12** (2006.01); **B02C 23/14** (2006.01); **B07B 4/04** (2006.01)

CPC (source: EP US)
B02C 4/02 (2013.01 - EP US); **B02C 23/12** (2013.01 - EP US); **B02C 23/14** (2013.01 - EP US); **B07B 4/04** (2013.01 - EP US); **B07B 7/083** (2013.01 - EP US); **B07B 9/02** (2013.01 - EP US)

Citation (search report)
See references of WO 2009124952A1

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 MK MT NL NO PL PT RO SE SI SK TR

Designated extension state (EPC)
AL BA RS

DOCDB simple family (publication)
WO 2009124952 A1 20091015; AT E544523 T1 20120215; AU 2009235488 A1 20091015; AU 2009235488 B2 20140515; CN 102046293 A 20110504; CN 102046293 B 20131120; DE 102008019830 A1 20091217; DE 102008019830 B4 20190124; DK 2271428 T3 20120521; EP 2271428 A1 20110112; EP 2271428 B1 20120208; US 2011204170 A1 20110825; US 8210458 B2 20120703

DOCDB simple family (application)
EP 2009054179 W 20090408; AT 09729532 T 20090408; AU 2009235488 A 20090408; CN 200980119909 A 20090408; DE 102008019830 A 20080419; DK 09729532 T 20090408; EP 09729532 A 20090408; US 93748409 A 20090408