

Title (en)
ROLLER MILL

Title (de)
WÄLZMÜHLE

Title (fr)
BROYEUR À GALETS

Publication
EP 2632598 B2 20180110 (DE)

Application
EP 12713873 A 20120315

Priority
• DE 102011014592 A 20110321
• EP 2012001162 W 20120315

Abstract (en)
[origin: CA2817277A1] The invention relates to a roller mill (2), in particular a coal mill, having a feed system which has an integrated screw feeder (10). The screw feeder (10) is arranged virtually horizontally in the region of a grit cone (8) and has a worm shaft (12) which is guided through the roller mill (2) and along the longitudinal axis (20) thereof, both end sides of which are arranged in each case outside the roller mill (2) and which is mounted at one end by way of a drive device (13) and at the other end in a mounting (14) outside the roller mill (2). The feed material is supplied to the screw conveyor outside the roller mill (2) and is forcibly conveyed therein up to a trough-side ejection opening (7) above a cone opening (9) in the grit cone (8), and drops centrally onto the grinding bowl (4) together with coarse grain rejected in the classifier (7). A uniform distribution of the feed material and improved running smoothness of the roller mill (2) and a saving of energy are achieved, and soiling of the worm shaft (12) is prevented.

IPC 8 full level
B02C 15/00 (2006.01); **B02C 15/04** (2006.01); **B02C 23/02** (2006.01)

CPC (source: EP KR US)
B02C 15/00 (2013.01 - KR); **B02C 15/007** (2013.01 - EP US); **B02C 15/04** (2013.01 - EP US); **B02C 23/02** (2013.01 - EP KR US); **B02C 23/24** (2013.01 - EP US); **B02C 23/30** (2013.01 - EP US); **B02C 23/32** (2013.01 - EP US); **B02C 2015/002** (2013.01 - EP US)

Citation (opposition)
Opponent :
• KOTOWSKI C. ET AL: "Gleichzeitige Herstellung von Kalksteinmehl und Körnungen minus 1,2 mm mit einer MPS-Walzenschüsselmühle", ZKG INTERNATIONAL, vol. 56, no. 6, 2003, pages 73 - 75
• Auszüge aus der Betriebsanleitung BA200700125 für Mahlanlage mit Walzenschüsselmühle MPS 2800 B der Gebr. Pfeiffer AG Kaiserslautern aus dem Jahr 2007
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• Sonderdruck in Mitteilung Nr. 40, Deutsche Babcock Werke Aktiengesellschaft, 1983, S. 3-15

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

DOCDB simple family (publication)
DE 102011014592 A1 20120927; AU 2012231043 A1 20130613; BR 112013016311 A2 20180710; CA 2817277 A1 20120927; CN 103764290 A 20140430; CO 6771443 A2 20131015; DK 2632598 T3 20140721; EP 2632598 A2 20130904; EP 2632598 B1 20140514; EP 2632598 B2 20180110; ES 2474146 T3 20140708; JP 2014508642 A 20140410; JP 5756559 B2 20150729; KR 20140009240 A 20140122; PE 20141238 A1 20141015; PL 2632598 T3 20140829; US 2013313348 A1 20131128; US 8925844 B2 20150106; WO 2012126590 A2 20120927; WO 2012126590 A3 20121206

DOCDB simple family (application)
DE 102011014592 A 20110321; AU 2012231043 A 20120315; BR 112013016311 A 20120315; CA 2817277 A 20120315; CN 201280004476 A 20120315; CO 13222901 A 20130919; DK 12713873 T 20120315; EP 12713873 A 20120315; EP 2012001162 W 20120315; ES 12713873 T 20120315; JP 2014500274 A 20120315; KR 20137014724 A 20120315; PE 2013002073 A 20120315; PL 12713873 T 20120315; US 201213981716 A 20120315