

Title (en)

DRIVE ARRANGEMENT FOR A VERTICAL ROLLER MILL

Title (de)

ANTRIEBSANORDNUNG FÜR EINE VERTIKAL-ROLLENMÜHLE

Title (fr)

SYSTÈME D'ENTRAÎNEMENT POUR UN BROYEUR À GALETS VERTICAL

Publication

**EP 2734303 B1 20170503 (DE)**

Application

**EP 12729358 A 20120622**

Priority

- DE 102011079555 A 20110721
- EP 2012002632 W 20120622

Abstract (en)

[origin: WO2013010616A2] The invention relates to a drive arrangement (1) for a vertical roller mill, having: a housing (10), a pressure plate (20) which is supported on the housing in a rotatable manner about a vertical pressure plate rotation axis (R1), a transmission device (30) which is arranged, beneath the pressure plate, in the housing, is supported on the latter and is in rotary driving connection with the pressure plate, and drive means (50) which are driven by an electric motor, are integrated, beneath the transmission device, into the housing and have at least one rotor (53, 55) having a rotor rotation axis (R2, R3) which extends parallel to and radially offset with respect to the pressure plate rotation axis, wherein the at least one rotor is in rotary driving connection with the transmission device via a spur gear transmission (70). The invention provides a drive arrangement which, with improved operating capacity, requires less structural and production complexity. This is achieved in that the drive means have a number of at least two electric motors each having rotors, the rotor rotation axis of which extends in each case parallel to and radially offset with respect to the pressure plate rotation axis and which are each in rotary driving connection with the transmission device via the spur gear transmission.

IPC 8 full level

**B02C 15/00** (2006.01)

CPC (source: EP)

**B02C 15/006** (2013.01)

Citation (examination)

JP S59138445 U 19840914

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 102011079555 A1 20130124; DE 102011079555 B4 20201224;** CN 103826749 A 20140528; CN 103826749 B 20150819; EP 2734303 A2 20140528; EP 2734303 B1 20170503; JP 2014520668 A 20140825; JP 6282587 B2 20180221; KR 101619000 B1 20160509; KR 20140050683 A 20140429; PL 2734303 T3 20180330; WO 2013010616 A2 20130124; WO 2013010616 A3 20131024

DOCDB simple family (application)

**DE 102011079555 A 20110721;** CN 201280046216 A 20120622; EP 12729358 A 20120622; EP 2012002632 W 20120622; JP 2014520547 A 20120622; KR 20147004596 A 20120622; PL 12729358 T 20120622