

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

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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.

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