

Title (en)
ROLLER MILL WITH A SYNCHRONISING DEVICE

Title (de)
WALZENMÜHLE MIT EINER GLEICHLAUFEinRICHTUNG

Title (fr)
BROYEUR À CYLINDRES DOTÉ D'UN DISPOSITIF DE SYNCHRONISATION

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Abstract (en)
[origin: WO2021023643A1] The present invention relates to a roller mill (10) for comminuting bulk material, having a first milling roller (12) and a second milling roller (14), which are arranged opposite one another and can be driven in opposing directions, wherein a milling gap (16) is formed between the milling rollers (12, 14), and a fixed bearing unit (28) for receiving the second milling roller (14) and a floating bearing unit (26) for receiving the first milling roller (12), wherein: a plurality of hydraulic actuators (38, 40) are mounted on the floating bearing unit (26) for applying a force to the floating bearing unit; the hydraulic actuators (38, 40) are hydraulically connected to a synchronising device (42), the synchronising device (42) having a plurality of hydraulic cylinders (50, 52, 54, 56) each having a piston (58, 60), the pistons (58, 60) being connected to one another by a mechanical coupling (62) such that the movements of the pistons (58, 60) are coupled.

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