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

Publication

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Application

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Abstract (en)

[origin: WO2021160592A1] The present invention relates to a roller mill (10) for comminuting bulk material, comprising a first milling roller (12) and a second milling roller (14), which are arranged so as to be opposite one another and which can be driven in a contra-rotating manner, wherein a milling gap (16) is formed between the milling rollers (12, 14), and a floating bearing unit (26) for receiving the first milling roller (12), and a fixed bearing unit (28) for receiving the second milling roller (14), wherein the floating bearing unit (26) has two bearings (34, 36) which each receive one end of the first milling roller (12), wherein the floating bearing unit (26) has mounted thereon a plurality of hydraulic actuators (38, 40) for applying a force to the floating bearing unit (26), and wherein the bearings (34, 36) of the floating bearing unit (26) are connected to one another by way of a synchronizing device (42), wherein the synchronizing device (42) has a coupling element (62, 64; 82) that prevents a relative movement of the bearings (34, 36) in a coupling position and allows a relative movement of the bearings (34, 36) in a free position.

IPC 8 full level

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