

Title (en)
ROLL MILL

Title (de)
WALZENMÜHLE

Title (fr)
BROYEUR À CYLINDRES

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Application
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Abstract (en)
[origin: CA2907836A1] The invention relates to a roll mill with two roll units (2, 3) which are arranged in a machine frame (1) and each comprise a grinding roll (20, 30) rotatably mounted in two bearing blocks (22, 23, 32, 33), wherein: the two grinding rolls (20, 30) are disposed opposite one another and are each coupled to a drive (4, 5) for driving the grinding rolls in opposing directions; a force-application system (50) for generating a grinding force is provided between the machine frame (1) and at least one roll unit (3), the grinding force being transferred via the machine frame (1) and the bearing blocks (22, 23, 32, 33) to the grinding rolls (20, 30); and the machine frame (1) consists of a plurality of frame parts (10, 11, 12, 13), a detachable, interlocking connection having two connecting surfaces (15a, 12a) pressed against each other being provided between at least two interconnected frame parts and/or between at least one frame part and one of the bearing blocks in order to transfer the grinding force, at least one of the two connecting surfaces (15a, 12a) pressed against each other having a coating (8, 9) which generates a microscale interlocking connection.

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Citation (examination)
• WO 2007137445 A1 20071206 - HARTCHROM AG [CH], et al
• US 3828515 A 19740813 - PALAGYI T, et al
• DE 4110643 A1 19921008 - KRUPP POLYSIUS AG [DE]

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