

Title (en)
GRINDING MILL WITH ROLLERS

Title (de)
WALZWERK MIT WALZEN

Title (fr)
BROYEUR À CYLINDRES

Publication
EP 4313422 A1 20240207 (EN)

Application
EP 22714544 A 20220310

Priority
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• IB 2022052162 W 20220310

Abstract (en)
[origin: WO2022200903A1] A grinding mill with rollers comprises at least one pair of rollers (4, 5) which can be driven in relative counter-rotation about the respective main rotation axes (X1, X2) thereof, the material to be ground being supplied by falling between the rollers, the first (4) of said rollers being rotatably supported by a pair of first supports (7) which are fixed to respective abutments of the mill, the second (5) of the rollers being rotatably supported by a pair of second supports (8), which are mounted on the abutments in a manner slidably guided in a direction perpendicular to the rotation axes (X1, X2), and wherein first pneumatic cylinder/piston (18, 16) means (15) are operatively associated with the pair of second supports (8) and configured to generate a preselected thrust pressure of one roller against the other, or with an adjustable spacing in order to obtain the desired degree of grinding of the material, and second hydraulic cylinder/piston (28, 26) means (25) are operatively associated with the pair of second supports (8) and configured to at least oppose the thrusts which tend to move the rollers (4, 5) away from each other and which are caused by foreign bodies which pass between the rollers during the grinding.

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