Title (en)

HIGH-PRESSURE ROLLER PRESS

Title (de)

HOCHDRUCK-WALZENPRESSE

Title (fr)

PRESSE À ROULEAUX HAUTE PRESSION

Publication

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Application

EP 21839491 A 20211215

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Abstract (en)

[origin: WO2022174957A1] The invention relates to a high-pressure roller press (1), in particular a material bed roller mill or a compacting machine, comprising two press rollers (3, 4) which are rotatably mounted in a press frame (2) and are driven in opposite directions and between which a filling funnel having a pressure zone (5) is formed with a nip (S) arranged at the height of the roller axis (X, X'), the gap width (W) of said nip being variable during the operation of the roller press (1), wherein the filling funnel between the press rollers (3, 4) is delimited at the roller end faces by delimiting plates (8) arranged laterally next to the press rollers (3, 4), and the delimiting plates (8) are secured to the press frame (2) in a movable manner and under the application of a force such that the delimiting plates (8) can be pushed back against the applied force during the operation of the roller press (1). The roller press (1) is characterized in that an individual roller (10) is arranged laterally next to the press rollers (3, 4) at the height of the nip (S), said roller being rotatably mounted about its roller axis (Y) and laterally delimiting the nip (S), wherein the rollers (10) are movable relative to the respective delimiting plate (8) and subjected to the application of force in each case in the direction counter the respective roller end face, and that the rollers (10) can be pushed back against the applied force during the operation of the roller press.

IPC 8 full level

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