

Title (en)
HIGH-PRESSURE ROLLER PRESS WITH DEAERATION OF MATERIAL TO BE COMMINUTED

Title (de)
HOCHDRUCKWALZENPRESSE MIT MAHLGUTENTLÜFTUNG

Title (fr)
PRESSE À ROULEAUX HAUTE PRESSION AVEC DÉGAZAGE DE LA MATIÈRE À BROIER

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Abstract (en)
[origin: WO2015063195A1] The invention relates to a high-pressure roller press for the high-pressure comminution of material to be comminuted in a nip, said high-pressure roller comprising two counter-rotating rollers that form a nip through which the material to be comminuted passes under high pressure during comminution, thereby breaking the structure of the material to be comminuted in the nip; and comprising a feed device which feeds the material to be comminuted uniformly into the nip, the volume of the fed material to be comminuted forming a compaction zone which extends from approximately the center of the nip to slightly above the center of the nip. The invention also relates to a method for preventing vibrations during the feeding of material to comminuted in a high-pressure roller press that has a nip and a feed device arranged thereabove. According to the invention, a device for deaerating the material to be comminuted is arranged directly above the compaction zone. Vibrations during the operation of the high-pressure roller press can be prevented in that the nip is uniformly coated with material to be comminuted as a result of the material to be comminuted being deaerated.

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