

Title (en)

METHOD FOR DISCHARGING POORLY GRINDABLE PARTICLES FROM A SPIRAL JET MILL

Title (de)

VERFAHREN ZUR AUSSCHLEUSUNG SCHWER MAHLBARER PARTIKEL AUS EINER SPIRALSTRAHLMÜHLE

Title (fr)

PROCÉDÉ DE DÉCHARGE DES PARTICULES DIFFICILEMENT BROYABLES D'UN DÉSINTÉGRATEUR À JET HÉLICOÏDAL

Publication

**EP 3613508 B1 20230927 (DE)**

Application

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Priority

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Abstract (en)

[origin: JP2020028877A] To optimize a grinding process to the effect that residues, which remain inside the grinding chamber during the grinding process, can be removed more quickly and more efficiently therefrom than is the case in the prior art. SOLUTION: The present invention relates to a method of grinding, separating, and discharging hard to grind parts of a material mixture of components with different grindability from a spiral jet mill. In the method according to the invention, the hard to grind parts are discharged from a process chamber via at least one additional discharge nozzle. The invention further relates to a spiral jet mill for comminuting and classifying grinding material. The spiral jet mill according to the invention includes: at least one process chamber enclosed by a housing; at least one grinding material feeding part leading into the at least one process chamber; at least two grinding nozzles; and a fine material outlet radially enclosed by a separator wheel; at least one discharge nozzle being assigned to the process chamber. SELECTED DRAWING: Figure 1

IPC 8 full level

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