

Title (en)
CLOSED-CIRCUIT GRINDING PLANT HAVING A PRE-CLASSIFIER AND A BALL MILL

Title (de)
KREISLAUFMAHLANLAGE MIT VORSICHTER UND KUGELMÜHLE

Title (fr)
SYSTÈME DE BROYAGE À CIRCULATION À PRÉ-TAMIS ET BROEUR À GALETS

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EP 14809390 A 20141209

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Abstract (en)
[origin: WO2015086554A1] The invention relates to a closed-circuit grinding plant for grinding fresh material, comprising: a first device (2, 26, 27) for grinding the fresh material; a static pre-classifier (4) for pre-classifying the ground grinding material (3), having an input opening (5) for the ground grinding material (3), an output opening (7) for a coarse meal fraction (9), and a further output opening (6) for a fine-grained output material (8); a device (15) for separating out fine material (18), having an output opening (16) for a coarse-grained fraction (17), with subsequent recirculation to the first device for grinding, an output opening (19) for fine material (18), and at least one input opening (14a, 14b), wherein an input opening (14a, 14b) is connected to the output opening (6) of the static pre-classifier (4); and a second grinding device (11). According to the invention, the static pre-classifier (4) is a cascade classifier (4) and the second grinding device (11) is present in the form of a ball mill (11), wherein the ball mill (11) has a material inlet (10) connected to the output opening (7) for the coarse meal fraction (9) of the cascade classifier (4) and a material outlet (12) connected to an input opening (14a, 14b) of the device (15) for separating out fine material (18).

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