Title (en)

GRANULATING MILL FOR COMMINUTING RUNNERS, MOULDED PARTS, BLOWN HOLLOW BODIES, ETC.

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Application

EP 82102734 A 19820331

Priority

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Abstract (en)

[origin: US4545539A] The invention relates to a cutting mill for the comminution of runners, injection moulding parts, blown moulding parts and so forth in operation of a synthetic material processing machine. Waste or reject parts becoming available should, if possible, be led back again to the process cycle of the machine after comminution to granulated size for use as a regenerate. For this purpose one makes use of a cutting mill having a cylindrical driven rotor mounted in a housing, over the periphery of which rotor a plurality of adjacently positioned cutting element groups are arranged, which cooperate with at least one stationary blade provided in the housing, wherein a sieve for filtering of the comminuted material extends over a part of the boundary of the rotor. The cutting mill provides an additional means for gripping and precomminution in front of the stationary blade, considered in the input direction, and is characterized in that the rotor rotates with a relatively low rotational speed of below 500 Rpm, preferably approximately 100 Rpm. The additional means is preferably constructed from a cylindrical carrier with guide surfaces and a plurality of guide plates preferably equally spaced along the length of the housing, wherein these guide plates preferably lie in planes at right angles to the axis of the rotor.

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