

Title (en)

Gas-swept tube mill with built-in separator rotor.

Title (de)

Luftdurchströmte Rohrmühle mit eingebautem Sichterrotor.

Title (fr)

Tube broyeur à balayage pneumatique avec rotor séparateur incorporé.

Publication

EP 0119694 A2 19840926 (EN)

Application

EP 84300456 A 19840125

Priority

GB 8304147 A 19830215

Abstract (en)

A gas-swept tube mill has an inlet (2), a grinding chamber (6), a discharge chamber (7) and an outlet (3). The discharge chamber contains a separating rotor (10) which causes coarse fractions of the material to be flung outwards and returned via a scoop (9) to the grinding chamber for further grinding. The vanes of the rotor are surrounded by a frustoconical casing (12) which collects the coarse fraction and directs it backwardly over a corresponding frustoconically shaped wall (15) of the discharge chamber to the scoop (9). The material is swept from the grinding chamber into the discharge chamber through a spreader (13) having a frustoconically flared outlet (14) which spreads the material over the face of the rotor.

IPC 1-7

B02C 17/06; **B02C 17/18**

IPC 8 full level

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CPC (source: EP)

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DOCDB simple family (application)

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