

Title (en)

METHOD OF SIFTING FINE MATERIALS, AND APPARATUS FOR CARRYING OUT THE METHOD

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Application

EP 89123623 A 19891220

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Abstract (en)

[origin: EP0379711A1] The subject of the invention is a method of screening particle-shaped material with an extremely low mass in a gas stream which, originating from a mill, is introduced into a sifting drum (1) with a preferably vertical axis (2) and rotates in the latter. Under the effect of the centrifugal force which is formed, material particles from a specific mass upwards are separated out as coarse material whilst gas with particles of material with a lower mass, so called fine-grade material, is fed to a tubular material discharge (4) arranged concentrically with respect to the drum axis in order to pass into a filter where a separation into gas and fine-grade material occurs. The material/gas mixture introduced into the drum is initially preaccelerated mechanically to a specific circumferential speed and, subsequently, the preaccelerated material/gas mixture is accelerated to the final circumferential speed by means of high-speed gas jets additionally introduced approximately tangentially into the drum. <IMAGE>

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