

Title (en)

Classifying rotor for a centrifugal pneumatic separator

Title (de)

Sichtrad für Schleuderrad-Windsichter

Title (fr)

Roue de triage pour un séparateur pneumatique à roue centrifuge

Publication

EP 0736337 B1 19990929 (DE)

Application

EP 95112071 A 19950801

Priority

DE 29506015 U 19950407

Abstract (en)

[origin: US5667075A] The invention concerns the design of classifying wheel made of a waterproof sintered material with vanes arranged in a ring that run parallel to the rotational axis and that are positioned between the hub-bearing circular disc and an annular cover disc, whereby the flow of the classifying air through the vanes is contrary to the centrifugal direction of the classifying wheel. Described is a classifying wheel design which permits manufacture of such a classifying wheel in an economical manner with a high degree of manufacturing accuracy even if the classifying wheel has an outside diameter in excess of 250 mm and which ensures the required degree of fracture resistance for any standard sintered material. This is achieved in that the classifying wheel is made up of simple ring elements joined together by a self-sintering filler, e.g. an adhesive, introduced into the gaps between the ring elements.

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