

Title (en)  
Wind sifter

Title (de)  
Windsichter

Title (fr)  
Séparateur pneumatique

Publication  
**EP 0641609 B1 19981202 (DE)**

Application  
**EP 94113724 A 19940901**

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DE 4329706 A 19930902

Abstract (en)  
[origin: EP0641609A2] The subject of the invention is a wind sifter with a stationary housing (1) forming a spiral, as seen in the axial direction, with a guide-blade ring (11) arranged fixedly in the housing (1) and having adjustable blades (12) and with a bladed sifting wheel (14) arranged coaxially to the blade ring (11) within the guide-blade ring and rotating about the housing axis. The raw-material inlet (3) opens tangentially into the annular space (9) between the sifting wheel (14) and guide-blade ring (11), and the sifting-gas inlet (5) directed parallel to the raw-material inlet opens into the annular space (17) between the guide-blade ring (11) and spiral housing (1). Finally, a coarse-material discharge is provided in the end region of the flow in the annular space (9) between the guide-blade ring (11) and sifting wheel (14). The coarse-material outlet is arranged offset in the axial direction of the spiral housing relative to the sifting-gas inlet (5) and to the raw-material inlet (3), with the result that the spiral housing has the three-dimensional shape of a worm with at least one complete worm turn. <IMAGE>

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**B07B 7/083**; **B07B 11/06**

IPC 8 full level  
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