

Title (en)  
Wind sifter.

Title (de)  
Windsichter.

Title (fr)  
Séparateur pneumatique.

Publication  
**EP 0641609 A3 19950830 (DE)**

Application  
**EP 94113724 A 19940901**

Priority  
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>

IPC 1-7  
**B07B 7/083**; **B07B 11/06**

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CPC (source: EP US)  
**B07B 7/083** (2013.01 - EP US); **B07B 11/06** (2013.01 - EP US)

Citation (search report)  
• [DA] WO 9309883 A1 19930527 - NIED ROLAND [DE]  
• [A] GB 1014268 A 19651222 - POLYSIUS GMBH

Cited by  
CN110560356A; DE102007013029A1; WO0226405A1; WO2008113339A3

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