

Title (en)  
Pneumatic separator

Title (de)  
Windsichter

Title (fr)  
Séparateur pneumatique

Publication  
**EP 1004366 A3 20000719 (DE)**

Application  
**EP 99123117 A 19991118**

Priority  
DE 19854855 A 19981127

Abstract (en)  
[origin: EP1004366A2] Each rotor (5,9) has a sealed cover plate (15,16) at one end and a discharge device (13,14) for the fine or medium particle fraction at the other end. The two cover plate ends of the two rotors face each other, forming a radial flow gap in between. Two rotors with paddle wheels are mounted inside a housing (3,4) and driven by motors (8,12) on the same side. Each rotor is provided with a tangential air supply (19, 20) at rotor height and provided with a fixed guide vane rim located at a radial distance from the rotor periphery. A supply (17) for the particulate product is present, along with discharge means (13,14,18) for the fine, medium and coarse particle fractions. Particulate product flows through the separation region in the rotor axial direction.

IPC 1-7  
**B07B 7/083**

IPC 8 full level  
**B07B 7/083** (2006.01)

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

Citation (search report)  
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• [AD] DE 3924826 A1 19910131 - KLOECKNER HUMBOLDT DEUTZ AG [DE]  
• [A] EP 0519535 A1 19921223 - ITALCEMENTI SPA [IT]

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**EP 99123117 A 19991118**; AT 99123117 T 19991118; DE 19854855 A 19981127; DE 59909319 T 19991118; ES 99123117 T 19991118; JP 33839399 A 19991129; US 44786299 A 19991123