

Title (en)
Pneumatic separator

Title (de)
Windsichter

Title (fr)
Séparateur pneumatique

Publication
EP 1004366 B1 20040428 (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)

Cited by
US6318561B1; WO2018162173A1; CN111318456A; EP3677348A3; EP3925709A1; US11278935B2; US11607709B2; EP3677348B1

Designated contracting state (EPC)
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

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