

Title (en)  
CENTRIFUGAL SIFTER

Publication  
**EP 0067895 B1 19850130 (DE)**

Application  
**EP 81104730 A 19810619**

Priority  
EP 81104730 A 19810619

Abstract (en)  
[origin: EP0067895A1] 1. A centrifugal air classifier comprising a substantially cylindrical housing (1), which is provided with an approximately tangential inlet (2) for classifying air and which contains an annular series of guide vanes (9), which is concentric with and radially spaced from the shell of the housing, and a classifying rotor (10), which is radially inwardly spaced from said guide vanes and comprises an annular series of blades (11) defining radial passages, wherein an inlet (72) for a mixture of particles to be classified opens into the classifying space disposed between the guide vanes (9) and the classifying rotor (10), an outlet (8) for coarse particles extends out of the classifying space at the lower end thereof, an outlet (3, 4) for fines-entraining classifying air is provided at the end of the rotor and has a diameter which is approximately as large as the inside diameter of the classifying rotor (10), and the inlet (2) for classifying air and the guide vanes (9) extend approximately over the same axial length as the classifying rotor (10), characterized in that the entire air classifier is pivotally movable about a horizontal axis.

IPC 1-7  
**B07B 7/083**; **B07B 11/02**; **B07B 11/04**; **B07B 11/06**

IPC 8 full level  
**B07B 7/083** (2006.01); **B07B 11/02** (2006.01); **B07B 11/04** (2006.01); **B07B 11/06** (2006.01)

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Cited by  
US4869786A; CN115350917A; CN109127169A; CN109952161A; CN111992502A; CN109317405A

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BE CH FR GB IT LI NL SE

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