

Title (en)
Pneumatic classifier, preferably a vertical one

Title (de)
Vorzugsweise vertikaler Windsichter

Title (fr)
Trieur pneumatique de préférence vertical

Publication
EP 0472930 B1 19961016 (DE)

Application
EP 91112707 A 19910729

Priority
• DE 4024440 A 19900801
• DE 4025247 A 19900809
• US 90031092 A 19920618

Abstract (en)
[origin: EP0472930A2] The subject of the invention is a preferably vertical pneumatic classifier, having a rotating classifying wheel (11) against which the classifying air which is loaded with fine material flows radially from the outside to the inside counter to the centrifugal force. The classifying air flows off out of the classifying wheel axially through an outlet connecting piece (20), in order to be supplied to a further evaluation, for example in a filter or the like. The classifying wheel has an outflow-side second cover plate which is offset axially with respect to said wheel and has blades arranged between the cover plates, on their outer circumference. The outlet connecting piece (20) which leads away from the classifying wheel (11) opens into an outlet chamber (21), the cross-section of which is significantly larger than the cross-section of the outlet connecting piece (20) so that there is a sudden change in the cross-section between the outlet connecting piece and outlet chamber. The clear height between the outflow-side cover plate (1) and second cover plate (2) of the classifying wheel preferably changes from the outlet edges of the blades (3) to the outlet connecting piece (5) in the form of an increase. In addition, the outlet connecting piece (5, 6, 18) is to be preferably inserted with an immersion pipe section (5, 6) as far as into the outflow-side cover plate (1) and connected fixed in terms of rotation to the latter.

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B07B 7/083

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

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

Cited by
EP2959975A1; DE102006023193A1; EP0691159A1; CN1054318C; US8047458B2; US8074907B2; DE102007052269A1; US8177149B2; WO2007131502A1; WO2008046404A1; WO2008046403A1; DE102017209874A1; WO2018228878A1; US7866582B2; EP2301667A2; DE102009045116A1; US8864056B2; EP2218703A1; WO2010091921A2

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