

Title (en)
AIR CLASSIFIER WITH CENTRIFUGAL ACTION

Title (de)
ZENTRIFUGALKRAFT - WINDSICHTER

Title (fr)
SEPARATEUR A AIR A ACTION CENTRIFUGE

Publication
EP 0918573 A1 19990602 (FR)

Application
EP 97918235 A 19970415

Priority
• FR 9700678 W 19970415
• FR 9513764 A 19951121

Abstract (en)
[origin: US2001020597A1] Centrifugal action type pneumatic separator comprising a rotor with a vertical axis provided with vanes regularly distributed over its periphery, guide blades disposed about the rotor and a housing containing the rotor and the guide blades and provided with inputs for the air and for the material to be graded, with an evacuation conduit for the air laden with the fine fraction of the material and with an output for the coarse fraction, with the air penetrating the rotor at its periphery via the channels (15) formed between the vanes, and flowing inside the rotor towards the evacuation conduit. To be able to modify the grain size distribution of the particles in the finished product, the air flowing in the rotor is divided into at least two separate streams, and the rotor is equipped with means (28) for adjusting the speed and/or the flow rate of at least one of the streams.

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

IPC 8 full level
B07B 4/06 (2006.01); **B07B 7/083** (2006.01); **B07B 11/04** (2006.01); **B07B 11/06** (2006.01)

CPC (source: EP US)
B07B 7/083 (2013.01 - EP US); **B07B 11/04** (2013.01 - EP US)

Citation (search report)
See references of WO 9846371A1

Designated contracting state (EPC)
AT BE CH DE DK ES GB GR IT LI LU NL SE

DOCDB simple family (publication)
US 2001020597 A1 20010913; **US 6318559 B2 20011120**; AT E270159 T1 20040715; AU 2643597 A 19981111; AU 741249 B2 20011129; CA 2257674 A1 19981022; CA 2257674 C 20030107; CZ 292237 B6 20030813; CZ 392498 A3 19990414; DE 69729731 D1 20040805; DE 69729731 T2 20050804; DK 0918573 T3 20041018; EP 0918573 A1 19990602; EP 0918573 B1 20040630; ES 2224236 T3 20050301; FR 2741286 A1 19970523; FR 2741286 B1 19980123; JP 2000512550 A 20000926; JP 3999278 B2 20071031; PL 186138 B1 20031031; PL 330322 A1 19990510; UA 63905 C2 20040216; US 6273269 B1 20010814; WO 9846371 A1 19981022

DOCDB simple family (application)
US 83515001 A 20010416; AT 97918235 T 19970415; AU 2643597 A 19970415; CA 2257674 A 19970415; CZ 392498 A 19970415; DE 69729731 T 19970415; DK 97918235 T 19970415; EP 97918235 A 19970415; ES 97918235 T 19970415; FR 9513764 A 19951121; FR 9700678 W 19970415; JP 54353798 A 19970415; PL 33032297 A 19970415; UA 98126592 A 19970415; US 20247198 A 19981210