

Title (en)

Air separator, particularly for sorting wastes

Title (de)

Windsichter, insbesondere zum Sortieren von Abfällen

Title (fr)

Séparateur aéraulique, notamment pour le tri des déchets

Publication

**EP 0608658 B1 19970326 (FR)**

Application

**EP 93490025 A 19931220**

Priority

FR 9301117 A 19930126

Abstract (en)

[origin: EP0608658A1] The air-operated separator automatically separates materials into three batches of different weights or shapes. It includes a chamber (2) under slight vacuum, with an inlet opening (3), two perforated inclined planes (11, 12) with inclination of angle alpha and ss (ss greater than or equal to alpha ) fed with pressurized air, three outlet openings (4, 5, 6) for the three batches, and a deflector (13). The heavy materials fall through the first opening (4) adjacent to the second inclined plane (12). The materials of intermediate weight are thrown over the deflector (13) and fall through the second opening (5), while the light materials are sucked up by the third opening (6) which is connected up to a suction system. Preferably the separator is mounted on a low-frequency high-extension vibration-inducing system. <IMAGE>

IPC 1-7

**B07B 4/08**; **B03B 4/00**

IPC 8 full level

**B03B 4/02** (2006.01); **B07B 4/08** (2006.01)

CPC (source: EP)

**B03B 4/02** (2013.01); **B07B 4/08** (2013.01)

Cited by

FR2738759A1; CN103394464A

Designated contracting state (EPC)

AT BE CH DE ES FR GB IE IT LI LU NL PT SE

DOCDB simple family (publication)

**EP 0608658 A1 19940803**; **EP 0608658 B1 19970326**; AT E150673 T1 19970415; DE 69309251 D1 19970430; DE 69309251 T2 19970807; FR 2700718 A1 19940729; FR 2700718 B1 19950414

DOCDB simple family (application)

**EP 93490025 A 19931220**; AT 93490025 T 19931220; DE 69309251 T 19931220; FR 9301117 A 19930126