

Title (en)  
Sorting of wood chips

Title (de)  
Klassierung von Holzspänen und Hackschnitzeln

Title (fr)  
Triage de copeaux de bois

Publication  
**EP 1782893 A3 20080716 (DE)**

Application  
**EP 06019828 A 20060922**

Priority  
DE 102005052620 A 20051102

Abstract (en)  
[origin: EP1782893A2] Classifying method involves introduction of the mixture atop a centrifugal classifying unit (1) and mixture falls into a classifying chamber. In the classifying chamber bulk of the mixture is carried into a rotor (6) of the centrifugal classifying unit by counter-flowing gas or gas mixture, which is circulated by a blower (5). Coarser particles are thrown-back by the rotor, against the gas flow, into the upper classifying chamber. Finer particles are taken along by gas flow towards the centrifugal force of the rotor and supplied and separated to a separating cyclone (4). The particles, which were ejected either by the rotor or fallen over at the rotor are supplied to a counter current classifier (2). The portion of particles, which were fallen over at the centrifugal classifying unit are supplied again, with the appropriate gas flow, to centrifugal classifying unit. The coarse fraction at the end of the counter current classifier is isolated in a settling hopper (3). An independent claim is also included for the classifying device.

IPC 8 full level  
**B08B 1/00** (2006.01); **B07B 7/083** (2006.01); **B07B 7/086** (2006.01); **B07B 9/02** (2006.01); **B07B 11/04** (2006.01); **D21B 1/02** (2006.01)

CPC (source: EP US)  
**B07B 4/02** (2013.01 - EP US); **B07B 7/01** (2013.01 - EP US); **B07B 7/083** (2013.01 - EP US); **B07B 7/086** (2013.01 - EP US); **B07B 9/02** (2013.01 - EP US); **B07B 11/04** (2013.01 - EP US); **D21B 1/023** (2013.01 - EP US)

Citation (search report)

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Designated contracting state (EPC)  
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Designated extension state (EPC)  
AL BA HR MK RS

DOCDB simple family (publication)  
**EP 1782893 A2 20070509; EP 1782893 A3 20080716**; CA 2566835 A1 20070502; CA 2566835 C 20100119; DE 102005052620 A1 20070503; RU 2006138635 A 20080510; US 2007095728 A1 20070503; US 7523831 B2 20090428

DOCDB simple family (application)  
**EP 06019828 A 20060922**; CA 2566835 A 20061102; DE 102005052620 A 20051102; RU 2006138635 A 20061101; US 59193506 A 20061102