

Title (en)

Stone separator with air separator

Title (de)

Steinabscheider mit Windsichter

Title (fr)

Sas d'épierreage doté de dépoussiéreur pneumatique

Publication

**EP 2805780 B1 20180718 (DE)**

Application

**EP 14169437 A 20140522**

Priority

DE 102013008867 A 20130524

Abstract (en)

[origin: US2014346098A1] A device for processing a material mixture, with a first conveyor belt which is connected to a chamber, has at least one pressure blower provided in the internal space of the chamber for generating an airflow aimed from below at the material mixture falling into the chamber. At least two collectors are arranged offset along the chamber floor at different distances to the entry point of the material mixture which faces the chamber. These collectors are delimited from one another in terms of surface area by at least one separating crest, which is movably arranged on the chamber floor and extends from the chamber floor in the direction of the chamber upper side. A first material group, such as stones and/or inert materials and/or heavy parts, with the lowest fluid resistance of all material groups of the material mixture, is separable at least to some extent from the material flow in a first separation region, in which a fluid flow and a material mixture flow through the device. In a second separation region with a settling zone and a first negative pressure region, a second material group is separable, at least to some extent.

IPC 8 full level

**B07B 4/02** (2006.01); **B07B 9/02** (2006.01)

CPC (source: EP US)

**B07B 4/02** (2013.01 - EP US); **B07B 9/02** (2013.01 - EP US)

Designated contracting state (EPC)

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DOCDB simple family (publication)

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