

Title (en)

Method, its application and device for grinding and treating recycling products.

Title (de)

Verfahren und dessen Anwendung sowie Vorrichtung zum Zerkleinern und Aufbereiten von Recycling-Produkten.

Title (fr)

Procédé, son utilisation et dispositif de brayage et de traitement de produits de recyclage.

Publication

EP 0613721 A3 19950208 (DE)

Application

EP 94810127 A 19940301

Priority

CH 61993 A 19930302

Abstract (en)

[origin: EP0613721A2] The new invention proposes guiding recycling products in the form of e.g. small pieces (13) of material into a comminuting space (8) at the same time as hot gases (3). In this space, an impeller (1) is arranged, which comminutes the pieces (13) of material to a size of 2 - 3 mm and throws them into a swirling chamber (2), in which a multiple recirculation takes place. The adequately comminuted parts are conveyed with the drying gases (3) into a drying tower (15) and extracted via a cyclone. The drying tower is designed as a rising sifter (16) and has a return duct (18) for oversizes. The method and the device are in particular suitable for the processing of e.g. egg shells, glass recycling waste, and also a large number of organic recycling products such as the most varied agricultural products and other organic waste of animal origin. The end product can be separated into very different material categories or e.g. used as feed. <IMAGE>

IPC 1-7

B02C 13/13; **B02C 13/288**; **B02C 23/24**

IPC 8 full level

B02C 13/13 (2006.01); **B02C 13/288** (2006.01); **B02C 23/24** (2006.01)

CPC (source: EP)

B02C 13/13 (2013.01); **B02C 13/288** (2013.01); **B02C 23/24** (2013.01)

Citation (search report)

- [XY] WO 9005026 A1 19900517 - AKT CONSULTANTS [AU]
- [Y] US 2793119 A 19570521 - MOLDENHAUER AUGUST J
- [YA] DE 1209792 B 19660127 - LEY MASCHF W
- [XY] DE 2126895 A1 19721130
- [Y] DE 1252046 B
- [X] GB 605478 A 19480723 - JOHAN MARTEN PEHRSON, et al
- [A] EP 0053755 A2 19820616 - EISENEGGER EDWIN

Cited by

US2016249666A1; CN110639656A; WO2004066743A1; WO2007090229A1

Designated contracting state (EPC)

AT CH DE FR GB IT LI NL

DOCDB simple family (publication)

EP 0613721 A2 19940907; **EP 0613721 A3 19950208**

DOCDB simple family (application)

EP 94810127 A 19940301