

Title (en)

Rotary drum furnace for the production of activated carbon

Title (de)

Drehrohrföfen für die Aktivkohleherstellung

Title (fr)

Four rotatif pour la production de charbon actif

Publication

**EP 1614987 B1 20081217 (DE)**

Application

**EP 05012514 A 20050610**

Priority

- DE 102004036109 A 20040724
- DE 102004033233 A 20040708

Abstract (en)

[origin: EP1614987A1] Rotary cylinder (1) comprises an internal chamber (2) equipped with mixing elements (3) for turning and mixing a charge withing the chamber. The cylinder has openings (5) for receiving fastening sections (6) of the mixing elements, which are welded to the cylinder from the outside. Independent claims are included for: (1) a rotary kiln comprising a cylinder as above; (2) production of active carbon by carbonization and subsequent activation of a carbonaceous material, where carbonization and/or activation is performed in a rotary cylinder or kiln as above.

IPC 8 full level

**F27B 7/16** (2006.01); **C01B 31/08** (2006.01)

CPC (source: EP US)

**F27B 7/162** (2013.01 - EP US)

Cited by

EP1903292A3; CN103743227A; US8501142B2; WO2008043982A3

Designated contracting state (EPC)

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Designated extension state (EPC)

AL BA HR LV MK YU

DOCDB simple family (publication)

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**EP 05012514 A 20050610**; AT 05012514 T 20050610; DE 102004036109 A 20040724; DE 502005006252 T 20050610; ES 05012514 T 20050610; JP 2005194484 A 20050704; US 17603205 A 20050707