

Title (en)

Rotary drum furnace for the production of activated carbon

Title (de)

Drehrohrofen 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)

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Cited by

EP1903292A3; CN103743227A; US8501142B2; WO2008043982A3

Designated contracting state (EPC)

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Designated extension state (EPC)

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DOCDB simple family (publication)

EP 1614987 A1 20060111; **EP 1614987 B1 20081217**; AT E418054 T1 20090115; DE 102004036109 A1 20060216; DE 102004036109 B4 20060803; DE 502005006252 D1 20090129; ES 2319906 T3 20090514; JP 2006021993 A 20060126; JP 4501114 B2 20100714; US 2006269887 A1 20061130; US 7172414 B2 20070206

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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