

Title (en)

Combustion process and furnace for burning waste

Title (de)

Verfahren und Verbrennungsofen zum Verbrennen von Abfällen

Title (fr)

Procédé et four de combustion pour brûler des déchets

Publication

EP 0588075 B1 19961023 (DE)

Application

EP 93113097 A 19930816

Priority

DE 4230311 A 19920910

Abstract (en)

[origin: US5401166A] A method and a combustion furnace are provided by means of which waste which is predominantly of organic nature can be burnt effectively and uniformly. The combustion furnace comprises two bottlenecks, one above the other, constituted by rocking grates. The upper rocking grate essentially serves to subject the solids to pre-combustion, namely to drying, degasifying, and partial gasifying, and to supply the material uniformly in doses to the fire bed which is located on the lower grate and in which complete gasification takes place. Rotational movements of both grates provide for uniform passage of the material through the shaft without the risk of burn-through occurring along the edges so that the entire combustion process becomes highly uniform.

IPC 1-7

F23G 5/027; **F23G 5/24**

IPC 8 full level

F23G 5/027 (2006.01); **F23G 5/24** (2006.01)

CPC (source: EP US)

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Cited by

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DOCDB simple family (publication)

US 5401166 A 19950328; AT E144608 T1 19961115; BR 9303745 A 19940329; DE 4230311 C1 19931209; DE 59304278 D1 19961128; DK 0588075 T3 19970421; EP 0588075 A1 19940323; EP 0588075 B1 19961023; HU 212204 B 19960429; HU 9302545 D0 19931129; HU T68564 A 19950628

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US 11513493 A 19930901; AT 93113097 T 19930816; BR 9303745 A 19930909; DE 4230311 A 19920910; DE 59304278 T 19930816; DK 93113097 T 19930816; EP 93113097 A 19930816; HU 9302545 A 19930908