

Title (en)  
Linked rotary kiln incinerator

Title (de)  
Mehrteiliger Drehrohrofen

Title (fr)  
Incinérateur à four rotatif multisection

Publication  
**EP 0836051 A3 19990107 (EN)**

Application  
**EP 97104693 A 19970319**

Priority  
JP 26974996 A 19961011

Abstract (en)  
[origin: EP0836051A2] A rotary kiln incinerator (1) with a cylindrical structure in which a waste material introduced through one side of a furnace body (4) is combusted while being gradually transported to the other side of the furnace body by the rotation of the furnace body. The furnace body is obtained by aligning along a straight line a plurality of drums (D1 to D5) that have openings on the right and left sides and rotatably linking the openings of the adjacent drum. Internal temperatures of the drums are set to predetermined temperatures. Each drum is rotated by a rotation driving assembly (3a) installed on the outer periphery of the drum. Each of the rotation driving assembly is driven and controlled by a rotation control unit (3c) equipped with furnace temperature sensors each provided to the drum. <IMAGE>

IPC 1-7  
**F23G 5/20**

IPC 8 full level  
**F23G 5/20** (2006.01); **F23G 5/50** (2006.01)

CPC (source: EP)  
**F23G 5/20** (2013.01); **F23G 2203/21** (2013.01); **F23G 2203/211** (2013.01)

Citation (search report)

- [AX] US 5005493 A 19910409 - GITMAN GREGORY M [US]
- [A] US 3436061 A 19690401 - ZINN ROBERT E
- [A] US 4395958 A 19830802 - CAFFYN ALLAN E, et al
- [A] DE 4243264 A1 19940623 - DEUTAG AG [DE]
- [A] PATENT ABSTRACTS OF JAPAN vol. 097, no. 004 30 April 1997 (1997-04-30)

Cited by  
CN111453955A; US10132496B1; CN113970101A

Designated contracting state (EPC)  
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