

Title (en)

Device for thermal oxidation of solid, gaseous or liquid residues of slaughterhouses

Title (de)

Vorrichtung zur thermischen Oxidation von flüssigen, festen oder gasförmigen Schlachthausrückständen

Title (fr)

Dispositif pour le traitement par oxydation thermique de résidus solides, liquides et gazeux produits par les abattoirs et les unités d'equarrissage

Publication

**EP 0997686 B1 20040929 (FR)**

Application

**EP 99402660 A 19991026**

Priority

FR 9813676 A 19981030

Abstract (en)

[origin: EP0997686A1] The burner (3) receives all active flows, including atomization air (10), combustion air (12), possible secondary fuel, condensibles (11), fats and residual liquids (8) and transfers them into a rotary or fixed furnace (1), as a single jet with axial discharge. A screw conveyor (2) feeds in crushed solids (5) continuously. Preferred Features: The height (H) of the burner axis above the furnace axis satisfies  $H = 0.3 D$ , where D is the furnace internal diameter. The burner radial axis makes the angle  $\beta = 20$  degrees with the vertical axis, these axes passing through the center of the furnace end face. Axial thrust exerted by the burner, expressed as G Newtons, which is related to furnace thermal loading, expressed as W Megawatts, satisfies G is greater than or equal to 60 W.

IPC 1-7

**F23G 5/08**; **F23G 5/20**

IPC 8 full level

**F23G 5/00** (2006.01); **F23G 5/20** (2006.01)

CPC (source: EP)

**F23G 5/008** (2013.01); **F23G 5/20** (2013.01); **F23G 2202/103** (2013.01); **F23G 2209/12** (2013.01); **F23G 2209/20** (2013.01); **F23G 2209/262** (2013.01); **F23G 2900/50007** (2013.01); **F23G 2900/52001** (2013.01); **F23G 2900/54402** (2013.01)

Citation (examination)

US 4797087 A 19890110 - GITMAN GRIGORY M [US]

Cited by

EP1248041A3; CN105716093A; CN109708125A

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

**EP 0997686 A1 20000503**; **EP 0997686 B1 20040929**; AT E278157 T1 20041015; DE 69920625 D1 20041104; FR 2785366 A1 20000505; FR 2785366 B1 20010223

DOCDB simple family (application)

**EP 99402660 A 19991026**; AT 99402660 T 19991026; DE 69920625 T 19991026; FR 9813676 A 19981030