

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

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