

Title (en)

Apparatus for heat-treating of particular material.

Title (de)

Vorrichtung zur Wärmebehandlung von Teilchen-Material.

Title (fr)

Installation de traitement thermique de produits divisés.

Publication

**EP 0124390 A1 19841107 (FR)**

Application

**EP 84400574 A 19840321**

Priority

FR 8304771 A 19830323

Abstract (en)

1. Installation of heat treatment of any sort of divided products and of the type comprising a heating means connected with product feeding means (2) to be treated and with an enclosure (10) of heat treatment of that product which exhibits a cyclone-shaped lower part (17), from where the product is coming out to arrive to a cooler (20) connected with a source of cold air and the lower part (24) of which exhibits a cyclone shape too, characterized in that the heating means is a burner (1) in counter-rotation of combustible air and of combustible gas connected with an oven (15) made up of a volute (16) mounted at the top part of the thermal enclosure (10), whereas the source of cold air is made up of a cap (25) connected with the exit of the enclosure (10) and comprising at least two cold air inlets (26) which provide in the cap (25) an air flow in counter-rotation mixing and cooling down the products coming out from the enclosure (10), the said cap being connected with a volute (23) mounted at the top part (22) of the cooler (20).

Abstract (fr)

La présente invention concerne un procédé et une installation de traitement thermique de produits divisés. Cette installation comprend essentiellement un brûleur (1) muni d'une arrivée (11) de gaz combustible et de plusieurs arrivées (8) d'air comburant en contrerotation, ce brûleur étant équipé d'un côté de moyens (2) d'alimentation en produit à traiter et de l'autre côté d'une enceinte (10) formant à sa partie supérieure un four (15) à configuration en volute (-16) raccordée au brûleur (1) et, à sa partie inférieure, un cyclone (17), le produit traité sortant de l'enceinte (10) peuvent être refroidi dans un refroidisseur (20) comportant une partie supérieure (22) à configuration en volute (23) et une partie inférieure en forme de cyclone (24). L'installation de l'invention permet le traitement thermique de produits divisés solides, liquides ou pâteux.

IPC 1-7

**F26B 17/10**; **F26B 13/02**; **F26B 3/18**

IPC 8 full level

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CPC (source: EP)

**F26B 3/18** (2013.01); **F26B 17/10** (2013.01); **F26B 23/02** (2013.01)

Citation (search report)

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