

## Title (en)

Burner, installation and method of drying divided products using said burner

## Title (de)

Brenner, Anlage und Trocknungsverfahren von verteilten Produkten unter Verwendung eines solchen Brenners

## Title (fr)

Brûleur, installation et procédé de séchage de produits divisés mettant en oeuvre un tel brûleur.

## Publication

**EP 2221536 A1 20100825 (FR)**

## Application

**EP 10305143 A 20100211**

## Priority

FR 0951065 A 20090218

## Abstract (en)

The burner (3) has an axial supply inlet (15) for supplying non-condensed residues. A set of fuel injection nozzles (16) is distributed around the axial supply inlet. A driving unit drives the residues along an axial turbulence movement, where the driving unit includes radial wings (19) arranged at the axial supply inlet. A tapered inlet portion comprises an oxidizer supply orifice (17) that supplies oxidizer to the burner, where a top part of the tapered inlet portion is situated in vicinity of the oxidizer supply unit. Independent claims are also included for the following: (1) an installation for drying disintegrated products i.e. distillation products, comprising a dryer (2) a method for drying disintegrated products.

## Abstract (fr)

Ce brûleur pour la combustion de substances, notamment de résidus non condensés issus d'un condenseur d'une installation de séchage, est destiné à être alimenté en combustible, en comburant et en substances à brûler. Il comporte une entrée (15) axiale d'alimentation pour l'alimentation du brûleur en résidus et un ensemble de buses (16) d'injection de combustible réparties autour de l'entrée (15) axiale d'alimentation.

## IPC 8 full level

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## Citation (search report)

- [XY] US 5807094 A 19980915 - SARV HAMID [US]
- [XDY] EP 0457203 A1 19911121 - KUNZ WERNER [CH], et al
- [A] GB 2107450 A 19830427 - SHELL INT RESEARCH
- [A] "LEADING BURNER DESIGNS FOR SULPHUR PLANTS", SULPHUR, BRITISH SULPHUR PUBLISHING, LONDON, GB, no. 224, 1 January 1993 (1993-01-01), pages 23 - 28,30, XP000328309, ISSN: 0039-4890

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