

Title (en)

Thermal oxidation method for liquid waste material

Title (de)

Verfahren zur thermischen Oxidation von flüssigen Abfallstoffen

Title (fr)

Procédé d'oxydation thermiques de liquides résiduaires

Publication

**EP 0710799 B1 20010228 (DE)**

Application

**EP 95116792 A 19951025**

Priority

DE 4439670 A 19941107

Abstract (en)

[origin: EP0710799A2] The liquid waste fuel is injected into the hot current (4) of flue gas using one or more two-component nozzles (6). The nozzles have a component in the form of a fan-shaped flat jet at right angles to the main direction of flow. At each two-component nozzle, in alternating rhythm, a fan-shaped spray with relatively large and far-range drops, and a fan-shaped spray (7) possessing a flare angle of 60 to 160 deg. with relatively fine, short-range drops, are produced. The temp. of the flue gas current is at least 800 deg. C, and its oxygen content sufficient for complete oxidation of the burnable products.

IPC 1-7

**F23G 7/00**; **F23G 5/12**

IPC 8 full level

**F23G 5/12** (2006.01); **F23G 5/44** (2006.01); **F23G 7/00** (2006.01); **F23G 7/04** (2006.01); **F23J 15/04** (2006.01)

CPC (source: EP US)

**F23G 5/12** (2013.01 - EP US); **F23G 5/446** (2013.01 - EP US); **F23G 7/008** (2013.01 - EP US); **F23G 2209/12** (2013.01 - EP US)

Cited by

CN107559823A; CN107606602A

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**EP 0710799 A2 19960508**; **EP 0710799 A3 19980114**; **EP 0710799 B1 20010228**; CA 2162080 A1 19960508; DE 4439670 A1 19960509; DE 59509056 D1 20010405; JP H08210619 A 19960820; US 5634413 A 19970603

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**EP 95116792 A 19951025**; CA 2162080 A 19951103; DE 4439670 A 19941107; DE 59509056 T 19951025; JP 30642695 A 19951101; US 55090395 A 19951031