

Title (en)

Apparatus for cleaning the open draft boiler surfaces in a combustion or incineration plant

Title (de)

Vorrichtung zum Reinigen von Kesselflächen einer Verbrennungsanlage

Title (fr)

Appareil de nettoyage des surfaces de chaudières d'une usine de combustion ou d'incinération

Publication

**EP 1291598 A1 20030312 (EN)**

Application

**EP 01121249 A 20010905**

Priority

EP 01121249 A 20010905

Abstract (en)

An apparatus for cleaning the open draft boiler (17, 18, 19) surfaces in a combustion or incineration plant in service comprises: A nozzle head (4) with several nozzles (5), means for rotating the nozzle head (4), means for providing a mainly linear movement of the nozzle head (4) inside the open draft (17, 18, 19), and means for supplying a cleaning fluid to the rotating and linearly moving nozzle head (4), whereby the cleaning fluid exiting the nozzles (5) hits the surfaces to be cleaned. By mounting the nozzle head (4) on the end of a flexible hose (7), delivering the cleaning fluid to the nozzles (5) and providing at least one opening (16) in the top of each open draft (17, 18, 19) to be cleaned, said opening (16) allowing the insertion, lowering and raising of the nozzle head (4) inside the open draft (17, 18, 19), a simplified effective apparatus for cleaning is provided. <IMAGE>

IPC 1-7

**F28G 3/16**

IPC 8 full level

**F28G 3/16** (2006.01)

CPC (source: EP)

**F28G 3/166** (2013.01)

Citation (search report)

- [XY] DE 1262496 B 19680307 - IND CO KLEINWEFERS KONST
- [Y] US 3541999 A 19701124 - WINKIN JUSTIN P, et al
- [YA] EP 0921268 A2 19990609 - SOFITECH NV [BE], et al
- [DA] US 5579726 A 19961203 - FINUCANE LOUIS [US]
- [A] US 2735794 A 19560221

Cited by

WO2021063465A1; DE10340790B3; NL2030105B1; BE1029946B1; US9651322B2; EP4184057A1; WO2005024333A1; WO2023105070A1; JP2014500943A

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