

## Title (en)

Process and device for cleaning heat exchangers, recovery boilers and combustion chambers

## Title (de)

Verfahren und Vorrichtung zur Reinigung von Verschmutzungen in Wärmetauschern, Abhitzeesseln und Brennkammern

## Title (fr)

Procédé et dispositif de nettoyage d'échangeur de chaleur, de chaudières de récupération et de chambres de combustion

## Publication

**EP 1544567 A3 20081022 (DE)**

## Application

**EP 04030137 A 20041220**

## Priority

DE 10360705 A 20031219

## Abstract (en)

[origin: EP1544567A2] The explosive cleaning system uses a first fixed tube (Rohr-1) with a water inlet (Wassereinlass) and an air inlet (Lufteinlass). The mixture of water and air flows through this tube, and passes through a flexible link (Gelenk) to a second movable tube (Rohr-2). It flows into the space between the boiler tubes (8,9) to be cleaned. A wire (Zundleitung) passes through the first tube and the link to an igniter (Zunder) and an explosive cord (Sprengschnur) in the second tube. The tubes may be made of cardboard or copper and burst with the water and air scattered by explosion of elongated cord.

## IPC 8 full level

**F28G 13/00** (2006.01); **F23J 1/00** (2006.01); **F23J 3/02** (2006.01); **F28G 7/00** (2006.01)

## CPC (source: EP)

**B08B 7/0007** (2013.01); **F23J 3/023** (2013.01); **F28G 7/00** (2013.01); **F28G 7/005** (2013.01)

## Citation (search report)

- [X] EP 1226881 A2 20020731 - STADTWERKE ROSENHEIM GMBH & CO [DE]
- [X] EP 1067349 A2 20010110 - ZILKA FRANCIS [US], et al
- [X] EP 0109351 A1 19840523 - DIEDERICHSMIEIER KLAUS
- [X] US 2839435 A 19580617 - BOSWELL ARTHUR D

## Cited by

EP2548662A1; DE102008019300A1; WO2013014097A1; DE102016202422A1; DE102013210251A1; DE102020003958A1; EP2110188A2; DE102016202421A1; DE202016008755U1; DE202016008806U1; DE202016008807U1

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## Designated extension state (EPC)

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## DOCDB simple family (publication)

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## DOCDB simple family (application)

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