

Title (en)

Method and device for cleaning combustion products

Title (de)

Verfahren und Vorrichtung zur Reinigung von Abgas

Title (fr)

Procédé et dispositif pour la purification de produits de combustion

Publication

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Application

EP 95201903 A 19950711

Priority

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Abstract (en)

The invention relates to a method for cleaning products created during a combustion process, by admixing air to the combustion products and removing by after-burning remnants of harmful substances still present in the combustion products. The air can herein be heated prior to admixing thereof to the combustion products. The air can also be admixed in counterflow to the combustion products. The invention further relates to a combustion device (1) provided with a combustion chamber (4), an opening (3) connected to the combustion chamber (4) for drawing in ambient air (P1) and an opening (5) connected to the combustion chamber (4) for discharging combustion products (E) to the environment. The device further has an installation for cleaning the combustion products (E) connected thereto, which cleaning installation has means arranged between the combustion chamber (4) and the discharge opening (5) for admixing air (S6) to the combustion products for the purpose of after-burning these products. Finally, the invention relates to a cleaning installation for use in such a combustion device. <MATH>

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Citation (search report)

- [XY] US 5263471 A 19931123 - SHIMEK RONALD J [US], et al
- [X] DE 8913847 U1 19900222
- [Y] EP 0322330 A1 19890628 - FONDIS SA [FR]
- [Y] US 4665889 A 19870519 - RUMENS KURT W F [US], et al
- [XP] EP 0648976 A1 19950419 - CAMINETTI MONTEGRAPPA S R L [IT]
- [X] PATENT ABSTRACTS OF JAPAN vol. 6, no. 113 (M - 138) 24 June 1982 (1982-06-24)

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