

Title (en)

Method for cleaning a combustion chamber and apparatus for executing the method

Title (de)

Reinigungsverfahren für einen Verbrennungsraum und Vorrichtung zur Durchführung des Verfahrens

Title (fr)

Procédé pour nettoyer une chambre de combustion et dispositif pour mettre en oeuvre le procédé

Publication

**EP 1703205 A1 20060920 (DE)**

Application

**EP 06003753 A 20060223**

Priority

DE 102005009274 A 20050225

Abstract (en)

The method involves blowing air jet (6) to a combustion chamber for improving the after burning process by swirling combustion gases. Compressed air or water is blown to the air jet to produce an angular moment that is conveyed to the air jet. The momentum is produced during operation of a combustion plant for only short period. The air jet experiences an expansion of a distributing angle of 70 degrees through the momentum. Independent claims are also included for the following: (1) a cleaning device for an air duct for generating temporary and/or periodically recurring angular momentum and including twist generating device and control device (2) a computer program product for executing a cleaning method.

IPC 8 full level

**F23L 9/02** (2006.01)

CPC (source: EP)

**F23C 7/002** (2013.01); **F23C 7/008** (2013.01); **F23G 5/32** (2013.01); **F23J 3/00** (2013.01); **F23L 7/005** (2013.01); **F23L 9/04** (2013.01); **F23N 2231/26** (2020.01)

Citation (applicant)

DE 19613777 C2 20020117 - MIMOR MICHAEL [DE], et al

Citation (search report)

- [E] EP 1655539 A1 20060510 - BABCOCK HITACHI KK [JP]
- [PX] EP 1580485 A1 20050928 - BABCOCK HITACHI KK [JP]
- [X] DE 10021434 A1 20001221 - E T R EN TECHNIK UND RECYCLING [AT]
- [X] US 2004050982 A1 20040318 - SPROUSE KENNETH M [US], et al
- [X] US 6085674 A 20000711 - ASHWORTH ROBERT A [US]
- [A] US 2003104328 A1 20030605 - KOBAYASHI HISASHI [US], et al

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

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**EP 1703205 A1 20060920**; **EP 1703205 B1 20081105**; AT E413569 T1 20081115; DE 102005009274 B3 20060727; DE 502006001963 D1 20081218

DOCDB simple family (application)

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