

Title (en)

COMBUSTION CHAMBER FOR A GAS TURBINE AND GAS TURBINE AS WELL AS A METHOD

Title (de)

BRENNKAMMER FÜR EINE GASTURBINE UND GASTURBINE SOWIE VERFAHREN

Title (fr)

CHAMBRE DE COMBUSTION POUR UNE TURBINE À GAZ, TURBINE À GAZ ET PROCÉDÉ CORRESPONDANT

Publication

**EP 2780635 A2 20140924 (DE)**

Application

**EP 12786962 A 20121109**

Priority

- EP 11192767 A 20111209
- EP 2012072222 W 20121109
- EP 12786962 A 20121109

Abstract (en)

[origin: EP2602549A1] The chamber has a burner arrangement comprises a pre-mixing passage opening into a combustion zone (47) for preparation of a fuel/air mixture, and an interference body (50) assigned with a Strouhal number for generation of fluidically induced sound waves. The interference body is arranged in a passage (48) opening into the combustion zone, where fluid (51) flows through the passage in the direction of the combustion zone. A sound wave with frequency corresponding to frequency of a combustion chamber pressure fluctuation to be suppressed, is generated by the flow against the interference body. An independent claim is also included for a method for suppressing combustion chamber pressure fluctuations.

IPC 8 full level

**F23R 3/28** (2006.01); **F23R 3/34** (2006.01)

CPC (source: EP US)

**F02C 7/24** (2013.01 - US); **F23R 3/286** (2013.01 - EP US); **F23R 3/346** (2013.01 - EP); **F23R 2900/00014** (2013.01 - EP)

Citation (search report)

See references of WO 2013083348A2

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DOCDB simple family (publication)

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