

Title (en)

A combustion apparatus and gas turbine engine

Title (de)

Verbrennungsvorrichtung und Gasturbinenmotor

Title (fr)

Appareil de combustion et moteur de turbine à gaz

Publication

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Application

EP 10168429 A 20100705

Priority

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Abstract (en)

The present invention discloses a combustion apparatus 100, which comprises a combustion chamber 12, in which combustion of a fuel/oxidant mix takes place, a pre-chamber 14 located upstream of the combustion chamber 12, wherein the combustion chamber 12 and the pre-chamber 14 comprise a common first wall 20 and a common second wall 30 spaced to each other building a cavity 40, and wherein the first wall 20 exhibits at least one first opening 21 for introducing a coolant into the cavity 40. With a combustion apparatus 100 according to the present invention an enhancement of the cooling of the pre-chamber 14 and the combustion chamber 12 and of the combustion flame itself can be realized.

IPC 8 full level

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CPC (source: EP US)

F23R 3/005 (2013.01 - EP US); **F23R 3/286** (2013.01 - US)

Citation (search report)

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