

Title (en)  
Combustor with annular bluff body

Title (de)  
Brennkammer mit ringförmigem Wirbelkörper

Title (fr)  
Brûleur a corps non profilé annulaire

Publication  
**EP 3026347 A1 20160601 (EN)**

Application  
**EP 14194792 A 20141125**

Priority  
EP 14194792 A 20141125

Abstract (en)  
The present invention relates to a gas turbine combustor comprising: a flow sleeve (202); a combustion liner (204) located at least partially within the flow sleeve (202) thereby creating a main passage (206) between the flow sleeve (204) and the combustor liner (204); a dome (208) located forward of the flow sleeve and encompassing at least a part of the combustion liner (204), the dome (208) having a substantially rounded head end (210) thereby forming a turning passage (212) between the liner (204) and the head end (210); and a swirler wall (214) aligned along a centerline (216) of the combustor (200), the swirler wall (214) projecting into the liner (204), characterized in that the swirler wall (214) and the rounded head end (210) are connected, wherein the connection forms an annular end face (218).

IPC 8 full level  
**F23R 3/14** (2006.01); **F23R 3/54** (2006.01)

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**F23M 20/005** (2015.01 - US); **F23R 3/002** (2013.01 - US); **F23R 3/14** (2013.01 - EP US); **F23R 3/286** (2013.01 - US); **F23R 3/343** (2013.01 - US); **F23R 3/54** (2013.01 - EP US); **F23R 2900/00014** (2013.01 - EP US)

Citation (applicant)  
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• EP 0321809 A1 19890628 - BBC BROWN BOVERI & CIE [CH]  
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Citation (search report)  
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