

Title (en)  
BURNER COMPONENT, BURNER, AND METHODS OF MANUFACTURING OR OPERATING OF THESE FOR DUAL FUEL OPERATION

Title (de)  
BRENNERKOMPONENTE, BRENNER UND VERFAHREN ZUR HERSTELLUNG ODER ZUM BETRIEB DAVON FÜR DEN  
DOPPELBRENNSTOFFBETRIEB

Title (fr)  
COMPOSANT DE BRÛLEUR, BRÛLEUR ET LEURS PROCÉDÉS DE FABRICATION OU DE FONCTIONNEMENT POUR UN  
FONCTIONNEMENT À DEUX CARBURANTS

Publication  
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Application  
**EP 16167741 A 20160429**

Priority  
EP 16167741 A 20160429

Abstract (en)  
The invention is related to a burner, a burner component (10) and to methods of manufacturing and operation, in which the burner component (10), particularly a swirler vane or a fuel lance for a burner of a gas turbine engine, comprises a first fluid channel (21) to guide a first fluid (23), particularly a first fuel, during operation; a second fluid channel (22) to guide a second fluid (24), particularly a second fuel, during operation, the second fluid channel (22) being free of passages to the first fluid channel (21); at least one first hole (25) to provide a first passage from the first fluid channel (21) through a wall (30) of the burner component (10) for supplying the first fluid (23) into a burner space (31) during operation; at least one second hole (26) to provide a second passage from the second fluid channel (22) through the wall (30) of the burner component (10) for supplying the second fluid (24) into the burner space (31) during operation. The burner component (10) further comprises a helically shaped separating barrier (40) between the first fluid channel (21) and the second fluid channel (22).

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Citation (search report)  
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