

Title (en)  
MULTISTAGE SURFACE BURNER

Title (de)  
MEHRSTUFIGER OBERFLÄCHENBRENNER

Title (fr)  
BRÛLEUR À COMBUSTION DE SURFACE MULTI-ÉTAGES

Publication  
**EP 3117146 B1 20200311 (DE)**

Application  
**EP 15701036 A 20150127**

Priority  
• DE 202014101097 U 20140311  
• EP 2015051536 W 20150127

Abstract (en)  
[origin: WO2015135679A1] The invention relates to a burner (13) with surface combustion, having a first and at least one additional burner zone (34, 35), each of which has a feed (29, 37) for a fuel/air mixture in a combustion zone (51) and each of which has a woven membrane (49) for each burner zone (34, 35), the combustion zone (51) adjoining said fabric membrane. The burner also comprises a flashback barrier (48) which is arranged upstream of the woven membrane (49) and at a distance to the fabric membrane. Each burner zone (34, 35) has a separate feed (29, 37) for the fuel/air mixture, and each burner zone (34, 35) has a flame matrix (52), which are aligned in the same direction, in the combustion zones (51).

IPC 8 full level  
**F23C 6/02** (2006.01); **F23D 14/02** (2006.01); **F23D 14/82** (2006.01)

CPC (source: EP)  
**F23C 6/02** (2013.01); **F23D 14/02** (2013.01); **F23D 14/82** (2013.01); **F23D 2203/101** (2013.01); **F23D 2203/103** (2013.01); **F23D 2900/00012** (2013.01); **F23D 2900/00019** (2013.01)

Citation (examination)  
EP 0433208 A1 19910619 - CATALANA GAS SA [ES], et al

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)  
**DE 202014101097 U1 20150612**; EP 3117146 A1 20170118; EP 3117146 B1 20200311; WO 2015135679 A1 20150917

DOCDB simple family (application)  
**DE 202014101097 U 20140311**; EP 15701036 A 20150127; EP 2015051536 W 20150127