

Title (en)  
SURFACE-COMBUSTION GAS BURNER

Title (de)  
GASBRENNER MIT OBERFLÄCHENVERBRENNUNG

Title (fr)  
BRULEUR A GAZ A COMBUSTION DE SURFACE

Publication  
**EP 2870410 B1 20170823 (FR)**

Application  
**EP 13732983 A 20130703**

Priority  
• FR 1256467 A 20120705  
• EP 2013064058 W 20130703

Abstract (en)  
[origin: WO2014006103A1] The invention concerns a surface-combustion gas burner comprising a combustion grate consisting of a metal sheet (1) pierced with a series of slots (2). This burner is remarkable in that said metal sheet comprises a series of deflectors (3) made in one piece with said metal sheet and protruding on the outer face (12) of same, each deflector (3) extending longitudinally and laterally above the entire surface of a slot (2), and in that each deflector (3) comprises a guide portion for guiding the gas flow and a junction portion joining to the metal sheet (1), said guide portion being spaced from the metal sheet (1) in such a way as to provide therewith at least one lateral gas ejection port (40, 40'), said deflectors being disposed in pairs in such a way that the lateral gas ejection ports of same face each other.

IPC 8 full level  
**F23D 14/58** (2006.01); **F23D 14/02** (2006.01); **F23D 14/26** (2006.01); **F23D 14/70** (2006.01)

CPC (source: CN EP KR RU US)  
**F23D 14/02** (2013.01 - CN EP KR RU US); **F23D 14/145** (2013.01 - CN EP KR RU US); **F23D 14/26** (2013.01 - CN EP KR US);  
**F23D 14/58** (2013.01 - CN RU); **F23D 14/583** (2013.01 - EP KR US); **F23D 14/586** (2013.01 - US); **F23D 14/70** (2013.01 - CN EP KR RU US);  
**F23D 2203/1026** (2013.01 - EP KR US); **F23D 2203/104** (2013.01 - CN); **F23D 2900/00012** (2013.01 - EP KR US)

Citation (examination)  
FR 1460836 A 19660107 - SAUNIER DUVAL

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)  
**WO 2014006103 A1 20140109**; CA 2877803 A1 20140109; CA 2877803 C 20210316; CN 104541103 A 20150422; CN 104541103 B 20170623;  
EP 2870410 A1 20150513; EP 2870410 B1 20170823; FR 2993040 A1 20140110; FR 2993040 B1 20160715; JP 2015525864 A 20150907;  
JP 6193984 B2 20170906; KR 102019409 B1 20190906; KR 20150037945 A 20150408; RU 2015102065 A 20160827;  
RU 2613105 C2 20170315; US 2015167967 A1 20150618; US 9885476 B2 20180206

DOCDB simple family (application)  
**EP 2013064058 W 20130703**; CA 2877803 A 20130703; CN 201380037360 A 20130703; EP 13732983 A 20130703; FR 1256467 A 20120705;  
JP 2015519212 A 20130703; KR 20157002567 A 20130703; RU 2015102065 A 20130703; US 201314412277 A 20130703