

Title (en)  
RADIAL FLAME PLATE AND GAS BURNER USING SAME

Title (de)  
RADIALFLAMMENPLATTE UND GASBRENNER DAMIT

Title (fr)  
PLAQUE À FLAMME RADIALE ET BRÛLEUR À GAZ L'UTILISANT

Publication  
**EP 3473928 A4 20200527 (EN)**

Application  
**EP 17815611 A 20170525**

Priority  
• KR 20160076528 A 20160620  
• KR 2017005433 W 20170525

Abstract (en)  
[origin: EP3473928A1] The present invention relates to a gas burner and, more particularly, to a gas burner which allows fuel gas, such as LPG or city gas, supplied from the outside and air to be mixed easily so that the fuel is completely burned and ejection pressure is increased at the same time, resulting in high efficiency of flame. To achieve the above object, the present invention is characterized by a flame plate having an inclined part, which is tapered inwardly in a manner such that a height thereof increases outwardly from a low central portion, and a plurality of ejection holes radially formed on the inclined part, wherein the plurality of ejection holes is formed at a predetermined angle at a center to a periphery.

IPC 8 full level  
**F23D 14/26** (2006.01); **F23D 14/08** (2006.01); **F23D 14/62** (2006.01); **F23D 14/70** (2006.01)

CPC (source: EP KR)  
**F23D 14/085** (2013.01 - EP); **F23D 14/26** (2013.01 - KR); **F23D 14/62** (2013.01 - KR); **F23D 14/70** (2013.01 - EP); **F23D 2203/10** (2013.01 - KR); **F23D 2203/1026** (2013.01 - EP); **F23D 2900/14021** (2013.01 - EP); **F23D 2900/31019** (2021.05 - KR)

Citation (search report)  
• [XA] CN 104180371 A 20141203 - CHENGZHOU ROVLL SANITARY WARE CO LTD  
• [XA] EP 2390569 A2 20111130 - A R C S R L [IT]  
• [XA] JP 2007113879 A 20070510 - MATSUSHITA ELECTRIC IND CO LTD  
• [A] CN 2080141 U 19910703 - YUZHOU METAL PRODUCTS FACTORY [CN]  
• See references of WO 2017222198A1

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)  
**EP 3473928 A1 20190424**; **EP 3473928 A4 20200527**; CN 107949746 A 20180420; CN 107949746 B 20191025; JP 2019518188 A 20190627; KR 101740576 B1 20170526; WO 2017222198 A1 20171228

DOCDB simple family (application)  
**EP 17815611 A 20170525**; CN 201780000920 A 20170525; JP 2018502401 A 20170525; KR 20160076528 A 20160620; KR 2017005433 W 20170525