

Title (en)  
CLOSED-TYPE RADIANT GAS RANGE

Title (de)  
GESCHLOSSENER STRAHLUNGSGASBEREICH

Title (fr)  
CUISINIÈRE À GAZ RADIANTE, DU TYPE FERMÉ

Publication  
**EP 3835659 A4 20220504 (EN)**

Application  
**EP 19848737 A 20190604**

Priority  
• KR 20180091422 A 20180806  
• KR 2019006761 W 20190604

Abstract (en)  
[origin: EP3835659A1] The present invention relates to a sealed gas range using radiant heat, and more particularly, to a sealed gas range using radiant heat, which includes: a gas nozzle to which gas is supplied; a mixing chamber which communicates with the gas nozzle and forming a space in which the gas is premixed; a burner housing which communicates with the mixing chamber to form a space; a glass part shielding an outer circumferential surface of the burner housing; and a burner mat having a porous shape seated in the burner housing, in which the burner mat is formed by two or more layers of porous bodies having different densities.

IPC 8 full level  
**F24C 3/04** (2021.01); **F23D 14/14** (2006.01)

CPC (source: EP KR)  
**F23D 14/14** (2013.01 - EP KR); **F24C 3/047** (2013.01 - EP); **F24C 3/067** (2013.01 - KR); **F24C 3/085** (2013.01 - KR); **F24C 15/108** (2013.01 - KR);  
**F23D 2203/105** (2013.01 - EP KR); **F23D 2203/1055** (2013.01 - EP); **F23D 2203/106** (2013.01 - EP); **F23D 2212/10** (2013.01 - EP)

Citation (search report)  
• [Y] US 6609513 B2 20030826 - YAMADA YUTAKA [JP], et al  
• [Y] US 4889481 A 19891226 - MORRIS JEFFREY R [US], et al  
• [A] US 2005142509 A1 20050630 - KIM YOUNG S [KR], et al  
• [A] US 3270798 A 19660906 - OF DETROIT NATIONAL BANK  
• [A] DE 19847042 A1 20000420 - SCHOTT GLAS [DE]  
• [A] US 2015338090 A1 20151126 - SONG KEUM SEOK [KR]  
• See references of WO 2020032370A1

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 3835659 A1 20210616; EP 3835659 A4 20220504;** KR 101972555 B1 20190425; WO 2020032370 A1 20200213

DOCDB simple family (application)  
**EP 19848737 A 20190604;** KR 20180091422 A 20180806; KR 2019006761 W 20190604