

Title (en)
GAS STOVE

Title (de)
GASOFEN

Title (fr)
FOURNEAU A GAZ

Publication
EP 1467153 A1 20041013 (EN)

Application
EP 03700572 A 20030115

Priority
• JP 0300271 W 20030115
• JP 2002007534 A 20020116

Abstract (en)
The object of the invention is to provide a gas stove capable of suppressing heat radiated from the side surface of a combustion chamber from being transmitted to the interior of the stove. <??>A gas stove 1 comprises a burner 2, a porous body 3, an air supply/discharge fan 6, an external wall 9, an exhaust passage 26 communicating the porous body 3 and an exhaust slot 5, and an air supply passage 20, wherein a heat insulation space 12 is defined by the external wall 9 and the side surface 11 of the combustion chamber 10 which is airtight except for a supply opening 13 and a discharge opening 14 for air, and the air supply passage 20 and the supply opening 13 are communicated by an air supply branch pipe 15. During combustion of the burner 2, cooling air is supplied through an air supply branch pipe 15 to the heat insulation space 12, which suppresses the heat radiated from the side surface 11 of the combustion chamber 10 from being transmitted to the interior of the gas stove 1, and the air discharged from the discharge opening 14 cools the portion of a glass top panel 4 corresponding to the outer side of the combustion chamber 10. <IMAGE>

IPC 1-7
F24C 3/04; **F24C 15/20**

IPC 8 full level
F23D 14/14 (2006.01); **F24C 3/04** (2006.01); **F23D 14/22** (2006.01); **F23D 14/78** (2006.01); **F23L 1/00** (2006.01); **F23L 15/00** (2006.01); **F23L 17/16** (2006.01); **F23M 9/00** (2006.01); **F24C 3/02** (2006.01); **F24C 3/06** (2006.01); **F24C 3/12** (2006.01); **F24C 15/00** (2006.01); **F24C 15/20** (2006.01)

CPC (source: EP KR)
F23D 14/22 (2013.01 - KR); **F24C 3/067** (2013.01 - EP)

Cited by
ITTO20121158A1; GB2419183A; GB2419183B; US7481210B2

Designated contracting state (EPC)
DE FR GB NL

DOCDB simple family (publication)
EP 1467153 A1 20041013; **EP 1467153 A4 20060208**; **EP 1467153 B1 20090325**; CN 1261718 C 20060628; CN 1592830 A 20050309; DE 60326818 D1 20090507; JP 2003207135 A 20030725; JP 3652652 B2 20050525; KR 100519525 B1 20051005; KR 20030062220 A 20030723; WO 03060382 A1 20030724

DOCDB simple family (application)
EP 03700572 A 20030115; CN 03801583 A 20030115; DE 60326818 T 20030115; JP 0300271 W 20030115; JP 2002007534 A 20020116; KR 20020084959 A 20021227