

Title (en)

HOME APPLIANCE WITH SUPPLEMENTAL COMBUSTION AIR SUPPLY APPARATUS

Title (de)

HAUSHALTSGERÄT MIT ZUSÄTZLICHER VERBRENNUNGSLUFTVERSORGUNGSVORRICHTUNG

Title (fr)

APPAREIL MENAGER AVEC APPAREIL D'ALIMENTATION EN AIR DE COMBUSTION SUPPLEMENTAIRE

Publication

**EP 2960582 A1 20151230 (EN)**

Application

**EP 15169866 A 20150529**

Priority

US 201414315824 A 20140626

Abstract (en)

A home appliance with a cooktop (14) and an oven cavity (22). A gas-operable burner (26) for heating the cavity (22) to a cooking temperature and including a gas mixing pipe (28) is mounted to the appliance with a bracket (36) and has an inlet (30) for intake of gas and air for combustion, the gas mixing pipe (28) being mounted to the appliance with a bracket (36). A ventilation channel (38) extends through the appliance body. A fan (40) is in fluid communication with the ventilation channel (38) for creating an airstream within the ventilation channel (38). An air conduit extends between the ventilation channel (38) and the gas mixing pipe (28), with an air conduit inlet in the airstream and an air conduit outlet (62) adjacent the gas mixing pipe (28) to direct air from the airstream to the gas mixing pipe (28) for combustion with the gas and air. An air conduit stabilization apparatus mounts the air conduit to the gas mixing pipe bracket (36).

IPC 8 full level

**F24C 3/08** (2006.01); **F23L 5/02** (2006.01); **F23L 5/04** (2006.01); **F24C 15/00** (2006.01)

CPC (source: EP)

**F23D 14/04** (2013.01); **F23L 5/02** (2013.01); **F23L 5/04** (2013.01); **F24C 3/087** (2013.01); **F24C 15/006** (2013.01); **F23N 2233/06** (2020.01); **F23N 2241/08** (2020.01)

Citation (applicant)

US 201213711711 A 20121212

Citation (search report)

- [XY] US 2014158110 A1 20140612 - BRADEN BEN [US], et al
- [Y] EP 2527665 A2 20121128 - BSH BOSCH SIEMENS HAUSGERAETE [DE]
- [A] JP 2008185252 A 20080814 - RINNAI KK
- [A] WO 0173326 A1 20011004 - JAMES DEBRA MARIE [AU], et al
- [A] US 2007044786 A1 20070301 - FROST TIMOTHY L [US], 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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**EP 2960582 A1 20151230**; CA 2887715 A1 20151226; CA 2887715 C 20220621

DOCDB simple family (application)

**EP 15169866 A 20150529**; CA 2887715 A 20150409