

Title (en)  
BURNER WITH INTEGRAL MIXER

Title (de)  
BRENNER MIT INTEGRIERTEM MISCHER

Title (fr)  
BRÛLEUR À MÉLANGEUR INTÉGRÉ

Publication  
**EP 4375571 A2 20240529 (EN)**

Application  
**EP 23207646 A 20231103**

Priority  
US 202263384781 P 20221123

Abstract (en)  
A burner for an appliance having a blower includes a tube extending from an inlet end to an outlet end with radially extending openings along its length. A cap closes the outlet end in a fluid-tight manner. A mixing system downstream from the blower extends into the inlet end for delivering a pre-mixed mixture of air and fuel to the interior of the tube for ignition by an igniter.

IPC 8 full level  
**F23D 14/02** (2006.01); **F23D 14/36** (2006.01); **F23D 14/58** (2006.01); **F23D 14/62** (2006.01); **F23D 14/64** (2006.01)

CPC (source: EP US)  
**F23D 14/02** (2013.01 - EP US); **F23D 14/06** (2013.01 - EP); **F23D 14/36** (2013.01 - EP); **F23D 14/58** (2013.01 - EP US);  
**F23D 14/62** (2013.01 - EP US); **F23D 14/64** (2013.01 - EP); **F23D 2203/1012** (2013.01 - EP)

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 ME MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA

Designated validation state (EPC)  
KH MA MD TN

DOCDB simple family (publication)  
**US 2024044488 A1 20240208**; CA 3216520 A1 20240523; EP 4375571 A2 20240529; EP 4375571 A3 20240612

DOCDB simple family (application)  
**US 202318375596 A 20231002**; CA 3216520 A 20231013; EP 23207646 A 20231103