

Title (en)  
Compact gas burner with internal flame

Title (de)  
Kompakter Gasbrenner mit inneren Flammen

Title (fr)  
Brûleur à gaz à flamme interne, de compacité élevée

Publication  
**EP 1431658 B1 20101110 (FR)**

Application  
**EP 03292923 A 20031125**

Priority  
FR 0216041 A 20021217

Abstract (en)  
[origin: EP1431658A1] The burner has a depression tube (2) stretching longitudinally following an axis approximately in a median plane of an annular distribution chamber (5) that mixes the combustible air and the gas. The tube has a length exactly equal to the double of the distance (R) separating an internal edge (51) of the chamber from the center (50) of the chamber.

IPC 8 full level  
**F23D 14/06** (2006.01); **F24C 3/08** (2006.01)

CPC (source: EP US)  
**F23D 14/06** (2013.01 - EP US); **F24C 3/085** (2013.01 - EP US)

Cited by  
AU2009262766B2; US8616193B2; WO2009158237A3; WO2010006598A3

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)  
**EP 1431658 A1 20040623; EP 1431658 B1 20101110**; AT E487911 T1 20101115; CA 2453007 A1 20040617; CA 2453007 C 20120417; DE 60334883 D1 20101223; ES 2355210 T3 20110323; FR 2848642 A1 20040618; FR 2848642 B1 20050805; US 2004195399 A1 20041007; US 7083123 B2 20060801

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**EP 03292923 A 20031125**; AT 03292923 T 20031125; CA 2453007 A 20031216; DE 60334883 T 20031125; ES 03292923 T 20031125; FR 0216041 A 20021217; US 73568403 A 20031215