

Title (en)  
BURNER

Title (de)  
BRENNER

Title (fr)  
BRÛLEUR

Publication  
**EP 2334985 A4 20140806 (EN)**

Application  
**EP 09813936 A 20090922**

Priority  
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Abstract (en)  
[origin: WO2010031175A1] An oxygen flow controlling rear housing member for use in a burner comprises a main body portion with a first oxygen inlet. An annular oxygen gathering chamber is in fluid communication with the first oxygen inlet. An annular wall divides the annular oxygen gathering chamber and an annular oxygen-flow mixing chamber. A first oxygen flow passageway extends between the annular oxygen gathering chamber and the annular oxygen-flow mixing chamber, and has a first height that is a portion of the height of the annular wall. A second oxygen flow passageway extends between the annular oxygen gathering chamber and the annular oxygen-flow mixing chamber, and has a second height that is a portion of the height of the annular wall. The height of the first oxygen flow passageway is greater than the height of the second oxygen flow passageway.

IPC 8 full level  
**F23C 7/00** (2006.01); **F23D 14/24** (2006.01); **F23D 14/70** (2006.01); **F23L 1/00** (2006.01)

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Citation (search report)  
• [X] US 4988287 A 19910129 - STEGELMAN ALBERT F [US], et al  
• [XY] GB 2119080 A 19831109 - GIAVELLI MEC SPA, et al  
• [X] FR 1384015 A 19650104 - HEURTEY SA  
• [X] EP 1052462 A1 20001115 - ZOWEL B V [NL]  
• [XA] EP 0078526 A1 19830511 - TUZELESTECHNIKAI KUTATOINTEZET [HU]  
• [YA] EP 1832664 A1 20070912 - AIR PROD & CHEM [US]  
• See references of WO 2010031174A2

Designated contracting state (EPC)  
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