

Title (en)  
Downdraft burner with secondary air supply

Title (de)  
Sturzbrandbrennkammer mit Sekundärluftzuführung

Title (fr)  
Brûleur à tirage inversé avec amenée d'air secondaire

Publication  
**EP 1158241 A3 20011219 (DE)**

Application  
**EP 01112182 A 20010518**

Priority  
AT 9172000 A 20000525

Abstract (en)  
[origin: EP1158241A2] The combustion chamber for a downdraft heating system has a multi-part structure with lateral covering bricks (4) and left and right longitudinal cover bricks (2,3). The cover bricks, together with a ceramic plate, form the incandescent fuel bed. A half section of the burning passage channel is scooped out of each longitudinal brick. The secondary air channels are recessed between the longitudinal cover bricks and the heat-resistant grid (5). The grid extends as far as the inner wall of the boiler, with a groove around it to take the sealing (6).

IPC 1-7  
**F23B 7/00**; **F23H 17/08**; **F23L 9/00**; **F23M 5/02**

IPC 8 full level  
**F23H 17/08** (2006.01); **F23L 9/00** (2006.01); **F23M 5/00** (2006.01); **F23M 5/02** (2006.01)

CPC (source: EP US)  
**F23B 7/005** (2013.01 - EP); **F23H 17/08** (2013.01 - EP); **F23L 9/00** (2013.01 - EP US); **F23M 5/02** (2013.01 - EP)

Citation (search report)

- [XAY] EP 0154956 A2 19850918 - UNICAL SPA [IT]
- [Y] EP 0268208 A2 19880525 - KUENZEL KG PA KUE WERK [DE]
- [A] DE 4007849 A1 19910919 - HOFMANN HERMANN [DE]
- [A] FR 2592944 A1 19870717 - ETUDE APPLIC GLE ELEMENTS MECA [FR]
- [A] FR 2589988 A1 19870515 - KEDLER TARM AS HS [DK]

Cited by  
AT505296B1; DE102008013891B4; DE102008013891A1

Designated contracting state (EPC)  
AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

DOCDB simple family (publication)  
**EP 1158241 A2 20011128**; **EP 1158241 A3 20011219**; **EP 1158241 B1 20041103**; AT 412235 B 20041125; AT A9172000 A 20040415; AT E281631 T1 20041115; DE 50104352 D1 20041209

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