

Title (en)  
IMPROVEMENTS IN OR RELATING TO AXIAL SWIRL GENERATORS

Publication  
**EP 0145382 A3 19851002 (EN)**

Application  
**EP 84308114 A 19841122**

Priority  
GB 8331128 A 19831122

Abstract (en)  
[origin: EP0145382A2] The invention provides a burner that may be mounted at the wall (2) of a furnace. A mixture of pulverised fuel and primary air is discharged through a duct (4) and secondary air is discharged through a duct (8). The duct (8) includes a portion (16) that is convergent in the direction of flow. The convergent portion (16) houses a unit in the form of two concentric rings (22) and (23) between which are connected swirl inducing vanes (21). The unit can be moved between a forward position in which secondary air can pass only between the vanes and a retracted position in which part of the secondary air can flow between the vanes and part can flow as an envelope around the unit.

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**F23D 1/02**; **F23C 7/00**

IPC 8 full level  
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CPC (source: EP)  
**F23C 7/006** (2013.01); **F23D 1/02** (2013.01)

Citation (search report)  
• [X] FR 2450999 A1 19801003 - STEINMUELLER GMBH L & C [DE]  
• [Y] GB 672583 A 19520521 - WALLSEND SLIPWAY & ENGINEERING, et al  
• [X] BWK BRENNSTOFF-WÄRME-KRAFT, vol. 11, no. 10, 5th October 1959, pages 465-466, Düsseldorf, DE; H.ULLRICH: "Über einen Rundbrenner für unterschiedliche Brennstoffe"

Cited by  
FR2887597A1; EP0945678A3; WO2007000512A1; US6322610B1; US9011141B2

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