

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

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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**

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

Citation (search report)
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• [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"

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DE GB IT NL SE

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