

Title (en)  
SOLID-FUEL COMBUSTION CHAMBER

Title (de)  
FESTBRENNSTOFFBRENNKAMMER

Title (fr)  
FOYER A COMBUSTIBLE SOLIDE

Publication  
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Application  
**EP 15703997 A 20150212**

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Abstract (en)  
[origin: WO2015121331A1] The present invention relates to a solid-fuel combustion chamber comprising a staged burner with a lower stage in which, during use, primary combustion of the solid fuel takes place and with an upper stage in which, during use, secondary combustion of the gases (12) derived from the primary combustion takes place, said burner comprising in the upper stage: a first hollow body (4) intended to accommodate, within its interior volume, the gases (12) derived from the primary combustion, said first hollow body (4) comprising a conical part, and a secondary-air duct (8) arranged around said first hollow body (4) and opening at the upper end thereof, said duct (8) being delimited, on the one hand, by the first hollow body (4) and, on the other hand, by a wall of a shape that substantially complements that of the first hollow body (4) so as to ensure parallel injection of the secondary air along the first hollow body (4).

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