

Title (en)  
GASIFICATION BURNER

Publication  
**EP 0009182 B1 19820616 (DE)**

Application  
**EP 79103322 A 19790906**

Priority  
DE 2841105 A 19780921

Abstract (en)  
[origin: CA1123333A] In a gasification burner comprising an antechamber for mixing fuel and primary air; a catalytic device for generating a fuel gas from the fuel/primary air mixture; a mixing chamber for mixing the fuel gas with secondary air; an annular space which surrounds the antechamber, the catalytic device and the mixing chamber being separated from the antechamber by a ring wall provided with radial canals; a combustion chamber and a burner plate terminating the combustion chamber; and an ignition chamber arranged between the combustion chamber and the mixing chamber the operating safety is increased by having the annular space also enclose the ignition chamber and the combustion chamber in ring-fashion and extend up to the vicinity of the burner plate; a primary air feed stub opening into the annular space; and baffles in the annular space which baffles conduct the primary air stream from the primary air feed stub to the radial canals of the ring wall in spiral or meander fashion about the combustion chamber and the ignition chamber.

IPC 1-7  
**F23C 7/06**; F02M 27/02; F23D 13/18; F23D 11/44

IPC 8 full level  
**F02M 27/02** (2006.01); **F23C 7/06** (2006.01); **F23D 11/44** (2006.01); **F23D 14/18** (2006.01); **F23D 14/72** (2006.01)

CPC (source: EP US)  
**F02M 27/02** (2013.01 - EP US); **F23C 7/06** (2013.01 - EP US); **F23D 11/448** (2013.01 - EP US); **F23D 14/18** (2013.01 - EP US); **F23D 14/725** (2013.01 - EP US)

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