

Title (en)  
GAS TORCH NOZZLE

Title (de)  
GASBRENNDÜSE

Title (fr)  
BUSE DE CHALUMEAU A GAZ

Publication  
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Application  
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Abstract (en)  
[origin: WO9416270A1] The invention relates to a gas torch nozzle, comprising a nozzle body with axial gas supply channels. According to the invention, there is provided an outlet ring (115) mounted on the distal end of the nozzle body (101), said ring having a large number of small axial holes (117) forming outlet orifices, and a traversing element (120) made of porous metal, for example sintered metal, is arranged between the downstream end of the supply channels (103) and the above mentioned outlet ring (115), said element letting the gas pass through said axial holes during normal operation of the torch in order to obtain a flame fractionated into small tongues, but stopping the propagation of the flame upstream when igniting said torch. Preferably, the number and the cross-section of said axial holes (117) are selected to that the outlet ring (115) acts also as a noise limiter.

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