

Title (en)  
APPARATUS FOR THE COMBUSTION OF COMBUSTIBLE FLUIDS WITH AIR INDUCTION

Publication  
**EP 0099828 B1 19880608 (FR)**

Application  
**EP 83401472 A 19830718**

Priority  
FR 8212339 A 19820715

Abstract (en)  
[origin: EP0099828A2] 1. A device for the combustion of a mixture of fluids, comprising an injector for motive fluid, at the outlet of which is disposed a burner body forming a venturi (1, 2, 3, 4), characterized in that the injector is formed by one or more injectors (6) of annular cross-section arranged coaxially to the centre axis, at the outlet of which injector or injectors is disposed a burner body forming a venturi (1, 2, 3, 4), then a flame arrester (5) of aerodynamic type with a tunnel arranged at the end of said body opposite to the injection end (1), the tunnel (11) of said flame arrester (5) having either a frustoconical profile with an angle at the apex of between 108 and 358 or an evolutive profile with an angle at the apex of 908 relative to the axis.

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**F23D 14/64**; **F23D 14/08**; **B01F 5/04**

IPC 8 full level  
**B01F 5/04** (2006.01); **F23D 14/08** (2006.01); **F23D 14/64** (2006.01)

CPC (source: EP)  
**B01F 25/311** (2022.01); **C10J 3/506** (2013.01); **C10J 3/74** (2013.01); **F23D 14/08** (2013.01); **F23D 14/64** (2013.01); **C10J 2300/093** (2013.01); **C10J 2300/0946** (2013.01); **C10J 2300/0956** (2013.01); **C10J 2300/0959** (2013.01)

Cited by  
EP0460500A3; EP0177090A3; EP0411060A4; GR890100496A; US7044730B1; US6638059B1; EP0149574A3; FR2558071A1; US6893251B2; US6884062B2; US6877980B2; US7322818B2; US6890172B2; US6866502B2; US6846175B2; US6986658B2; US7476099B2; US6893252B2; US6902390B2; US6890171B2; WO0040901A1; FR2788109A1; US7025587B2; US6881053B2; US6869277B2; US6887068B2

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