

Title (en)
DEVICE FOR THE COMBUSTION OF FLUID OR GASEOUS FUELS

Publication
EP 0510783 A3 19930407 (DE)

Application
EP 92250087 A 19920416

Priority
DE 4113412 A 19910420

Abstract (en)
[origin: EP0510783A2] Device for the combustion of fluid and gaseous fuels with a burner nozzle (12) arranged in a burner pipe (10), a device (13) for supplying the fuel to the burner nozzle (12), a device (15) for supplying the combustion air into the burner pipe (10), which device is essentially arranged around the device (13) for supplying the fuel, an insert (14) for returning combustion products into the combustion zone, which insert is inserted into the burner pipe (10) at the burner-side end, the return of the combustion products taking place essentially in an intermediate space (16) between the insert (14) and the burner pipe (10), and a device (18) for tangential introduction of air into the combustion air supply (15) in order to create at least inside the insert (14) a supercritical swirling flow. <IMAGE>

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F23C 9/00; **F23C 7/00**

IPC 8 full level
F23C 7/00 (2006.01); **F23C 7/02** (2006.01); **F23C 9/00** (2006.01); **F23D 11/40** (2006.01)

CPC (source: EP)
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Citation (search report)
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• [A] US 3741166 A 19730626 - BAILEY F
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Designated contracting state (EPC)
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