

Title (en)

Device for the combustion of fluid or gaseous fuels

Title (de)

Vorrichtung zur Verbrennung von fließfähigen oder gasförmigen Brennstoffen

Title (fr)

Dispositif pour la combustion des combustibles fluides ou gazeux

Publication

EP 0510783 B1 19960925 (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>

IPC 1-7

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

IPC 8 full level

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CPC (source: EP)

F23C 7/002 (2013.01); **F23C 7/02** (2013.01); **F23C 9/006** (2013.01); **F23D 11/404** (2013.01)

Cited by

EP0864812A3; US5813848A; CN111392912A; WO9526485A1; WO9923418A1; WO2007110212A1; WO2011080780A1

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