

Title (en)
Combustion apparatus.

Title (de)
Verbrennungsvorrichtung.

Title (fr)
Appareil de combustion.

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EP 0493376 B1 19951011 (EN)

Application
EP 92105621 A 19890706

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• EP 89112363 A 19890706
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Abstract (en)
[origin: EP0350032A2] A combustion apparatus comprises: a large-diameter sleeve-like element (1) forming an incoming passage (3) through which an air/fuel mixture gas flows in a predetermined direction; at least one small-diameter sleeve-like element (2) disposed in the incoming passage, which small-diameter sleeve-like element forms an outgoing passage (4) through which a combustion gas having been issued from the incoming passage flows in a direction counter to the above predetermined direction; an air/fuel mixing unit (15) for issuing the air/fuel mixture gas under a predetermined pressure to a main incoming port (5) located in an upstream side of the incoming passage; an auxiliary incoming unit (6) for issuing a combustion gas produced by a pilot burner (12) to the upstream side of the incoming passage prior to supplying the air/fuel mixture gas to the incoming passage; and a combustion-gas outlet port (7) for discharging the combustion gas having passed through the outgoing passage, which combustion-gas outlet port communicates with an outlet opening of the outgoing passage.

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F23C 3/00 (2006.01); **F23C 7/00** (2006.01); **F23C 13/00** (2006.01); **F23C 99/00** (2006.01); **F23D 11/36** (2006.01)

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EP 0350032 A2 19900110; **EP 0350032 A3 19901107**; **EP 0350032 B1 19931013**; DE 68909851 D1 19931118; DE 68909851 T2 19940505; DE 68924539 D1 19951116; DE 68924539 T2 19960418; EP 0493376 A2 19920701; EP 0493376 A3 19920819; EP 0493376 B1 19951011

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