

Title (en)

PROCESS AND DEVICE FOR BURNING FUEL IN AIR

Title (de)

VORRICHTUNG UND VERFAHREN ZUR VERBRENNUNG EINES BRENNSTOFFS IN LUFT

Title (fr)

DISPOSITIF ET PROCEDE POUR LA COMBUSTION D'UN COMBUSTIBLE DANS L'AIR

Publication

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Application

**EP 97918906 A 19970826**

Priority

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- DE 19640818 A 19961002

Abstract (en)

[origin: WO9811383A2] A process and device are disclosed for burning fuel (6) in air. The device has a ring-shaped channel (4) for guiding air in a meridional stream (5) with respect to an axis (1), a swirl grid (9) for impressing a swirl (10) onto the stream (5) and means (11, 12, 16) for mixing fuel (6) into the stream (5) and forming a substantially homogeneous mixture. Also provided is a means (13, 17, 18) for slowing down a part of the stream (5) which is external in the radial direction from the axis (1) with respect to other parts of the stream (5). The device is in particular designed as a premixture burner, for use for example in a gas turbine installation.

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Cited by

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