

Title (en)

Burner, method of combustion with the burner, and method of modifying the burner

Title (de)

Brenner, Verbrennungsverfahren dafür und Verfahren zur Änderung des Brenners

Title (fr)

Brûleur, procédé de combustion avec le brûleur, et procédé de modification du brûleur

Publication

**EP 1826485 A3 20120815 (EN)**

Application

**EP 07001009 A 20070118**

Priority

JP 2006051469 A 20060228

Abstract (en)

[origin: EP1826485A2] The present invention provides a burner that includes fuel nozzles (183) each for jetting out a fuel (21) and air holes (171) each for jetting out air (11), and are constructed so that each of the fuel nozzles (183) is coaxially disposed with the associated one of the air holes (171) to cause each of the fuel nozzles to jet out the fuel into the associated one of the air holes; the burner further having means (1) for disturbing a flow of the fuel (21) or a flow of the air (11) at an upstream position from a nozzle tip (184) disposed to jet out the fuel from the fuel nozzle. According to the present invention, mixing of the fuel and air existing before both fluids are supplied to a combustion chamber (190) can be promoted for further suppressed NOx emissions.

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

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