

Title (en)

CATALYTIC COMBUSTION DEVICE WITH LIQUID FUEL VAPORISATION ON HOT WALLS

Title (de)

KATALYTISCHE VERBRENNUNGSVORRICHTUNG MIT FLÜSSIGBRENNSTOFFVERDAMPFUNG AUF HEISSEN WÄNDEN

Title (fr)

DISPOSITIF DE COMBUSTION CATALYTIQUE AVEC VAPORISATION DE COMBUSTIBLE LIQUIDE SUR PAROIS CHAUDES

Publication

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Application

EP 01270733 A 20011205

Priority

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Abstract (en)

[origin: WO0248610A1] The invention concerns a catalytic combustion device comprising a main combustion zone (20, 200) including at least a catalytic section (5, 103) and at least an air/fuel mixing zone (11, 117), said mixing zone comprising at least a pressurised air intake (1, 10) and means for injecting (12, 105) a liquid fuel. The invention is characterised in that the injecting means (12, 105) spray the liquid fuel on a hot wall (13, 15, 107) of said device so as to cause said fuel to be vaporized when coming into contact with said wall.

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