

Title (en)

SYSTEM FOR SUPPLYING COMBUSTION AIR AND LIQUID FUEL INTO A BURNER

Title (de)

SYSTEM ZUM ZUFÜHREN VON BRENNLUFT UND FLÜSSIGEM BRENNSTOFF IN EINEN BRENNER

Title (fr)

SYSTEME POUR AMENER DE L'AIR DE COMBUSTION ET DU COMBUSTIBLE LIQUIDE DANS UN BRULEUR

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Application

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Abstract (en)

[origin: WO2004076923A1] The invention relates to a system for supplying combustion air (10) and liquid fuel (12) into a burner (14), said system comprising a Venturi nozzle (16) for supplying the combustion air (10), and a fuel needle (18) which is arranged in the combustion air flow region and is used to supply the liquid fuel (12). The invention is characterised in that the formula $0.7 = d_i/d_a < 1$ holds good for the ratio of the inner diameter d_i to the outer diameter d_a of the fuel needle (18). The invention also relates to a heating appliance comprising one such system.

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