

Title (en)

DUAL VENTURI FOR COMBUSTOR

Title (de)

DOPPEL-VENTURI-DÜSE FÜR EINE BRENNKAMMER

Title (fr)

VENTURI DOUBLE POUR APPAREIL DE COMBUSTION

Publication

**EP 2816286 A1 20141224 (EN)**

Application

**EP 13749731 A 20130118**

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Abstract (en)

The present invention relates to a dual venturi for a combustor and, more specifically, to a dual venturi for a combustor which can control, in two stages, the amount of gas and air supplied to a burner provided in a water heater, wherein a motor and a damper are combined in such a manner that the damper is rotated by the driving of the motor, and thus the damper simultaneously opens or closes the inlet for secondary air and gas, thereby efficiently controlling the quantity of heat. The dual venturi comprises: a housing which has a first gas inlet and a second gas inlet on one side of the upper part thereof, and which has an interior divided by a partition wall such that a first passage and a second passage are formed; and an opening and closing means which is disposed in the housing, has an upper part connected to the second gas inlet such that gas flows therein, and controls the flow of air and gas by closing or opening the second passage as a damper is rotated by a motor provided on the exterior of the housing.

IPC 8 full level

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