

Title (en)

GAS DISTRIBUTION DEVICE AND COMBUSTOR HAVING SAME, AND WATER HEATER

Title (de)

GASVERTEILUNGSVORRICHTUNG UND BRENNKAMMER DAMIT SOWIE WASSERERHITZER

Title (fr)

DISPOSITIF DE DISTRIBUTION DE GAZ, CHAMBRE DE COMBUSTION COMPRENANT CE DERNIER, ET CHAUFFE-EAU

Publication

**EP 3795901 A4 20220302 (EN)**

Application

**EP 19804056 A 20190515**

Priority

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- CN 201820719386 U 20180515
- CN 201820719372 U 20180515
- CN 2019087079 W 20190515

Abstract (en)

[origin: WO2019219030A1] A gas distribution device (100) and a combustor having same, and a water heater. The gas distribution device (100) comprises multiple gas distribution pipes (1), the gas distribution pipes (1) being parallel to each other and arranged at intervals, and each of the gas distribution pipes (1) being provided with multiple gas nozzles (2); and at least one gas delivery pipe (3) communicated with the gas distribution pipes (1) to connect the gas distribution pipes (1) as an integrated structure, the gas delivery pipe (3) being used for supplying gas to the gas distribution pipes (1), the gas delivery pipe (3) being provided with a gas delivery interface (4), and the gas delivery interface (4) being used for connecting a gas inlet valve. Since the gas distribution device (100) is communicated with the gas distribution pipes (1) by means of the gas delivery pipe (3), and the gas delivery pipe (3) is integrally connected to the gas distribution pipes (1), the gas delivery pipe (3) can synchronously deliver the same amount of gas to the gas distribution pipes (1), so that the gas content in each gas distribution pipe (1) is well-distributed, thereby enabling a flame spurting out from the gas distribution device (100) to be more stable.

IPC 8 full level

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Citation (search report)

- [X] CN 106642121 A 20170510 - GTC GAS TECH COMPONENTS CO LTD
- [X] US 3099312 A 19630730 - ALBERT RADLEY STEWART, et al
- [X] GB 103579 A 19170201 - TINSLEY WALLER P [US], et al
- See also references of WO 2019219030A1

Designated contracting state (EPC)

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