Title (en)

BURNER AND COMBUSTION METHOD FOR A BURNER

Title (de)

BRENNER UND VERBRENNUNGSVERFAHREN FÜR EINEN BRENNER

Title (fr)

BRULEUR ET PROCEDE DE COMBUSTION POUR BRULEUR

Publication

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Application

EP 18797010 A 20181005

Priority

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Abstract (en)

[origin: WO2019008304A2] The invention relates to a burner intended to be mounted in a firebox, said burner comprising at least: a central nozzle (15) configured to be supplied with oxidant and fuel; a plurality of peripheral nozzles (17) configured to be supplied with oxidant and fuel and each comprising at least one upstream fuel injector (171) such as to pre-mix the fuel and the oxidant in the nozzle (17); and at least one oxidant inlet (13a) connected to the central (15) and/or peripheral (17) nozzles. The burner is characterised in that each of the peripheral nozzles (17) comprises a flame stabiliser (175) disposed at the end of the peripheral nozzle (17) intended to open into the firebox, as well as an end injector (173) for injecting fuel at said end of the peripheral nozzle (17).

IPC 8 full level

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CPC (source: EP KR US)

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Citation (search report)

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