

Title (en)
BOILER UNIT

Title (de)
BOILEREINHEIT

Title (fr)
UNITÉ CHAUDIÈRE

Publication
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Application
EP 18702535 A 20180125

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Abstract (en)
[origin: WO2018138505A1] The invention is concerned with an integrated unit comprising a unitary boiler and gas cleaning apparatus. Preferably the integrated unit comprises a boiler unit, and gas cleaning apparatus, the integrated unit has a reaction unit (4) and further comprises a radiant zone (10) connected to the reaction unit, the radiant zone being connected to a convection zone (12). The integrated unit further comprises a heat exchange means (14) encircling at least one of the radiant zone and the convection zone, and gas cleaning means (16) is preferably provided around at least a part of the heat exchange means. The reaction unit may comprise a fluid bed boiler, gasifier or pyrolytic chamber and wherein fuel is burned completely; burned under pyrolytic conditions; or is gasified. The heat exchange means may comprise an annular heat exchange chamber and the gas cleaning means may be provided in an annular gas cleaning chamber encircling the heat exchange chamber.

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