

Title (en)
STEAM BOILER FOR WASTE INCINERATION

Title (de)
DAMPFKESSEL FÜR DIE ABFALLVERBRENNUNG

Title (fr)
CHAUDIÈRE À VAPEUR POUR L'INCINÉRATION DE DÉCHETS

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Application
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Abstract (en)
[origin: WO2020207515A1] Steam boiler for waste incineration, including a combustion chamber (1) comprising a combustion chamber cavity surrounded by combustion chamber walls, to the combustion chamber (1) by an opening for flue gas flow followed by at least one or more consecutive flue-gas ducts (2) interconnected by openings for flue gas flow, where each flue-gas duct (2) comprises a flue-gas duct cavity surrounded by flue-gas duct walls, where the steam boiler further comprises at least one evaporator (11) for steam production, a feed pump (8) connected to a water source (9), a steam drum (3), at least one heater (6) having an inlet connected through the feed pump (8) to a water source (9), at least one heater (6) having an outlet connected to the steam drum (3), wherein all included evaporators (11) have inlet and outlet connected to the steam drum (3), from which a steam piping (13) leads to the connection to the steam turbine the summary of the invention is based on that at least one heater (6) and/or at least one evaporating surface with its heat exchange surfaces form walls of the combustion chamber (1), wherein at least one evaporator (11), included in the steam boiler, is located in a flue-gas duct (2).

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