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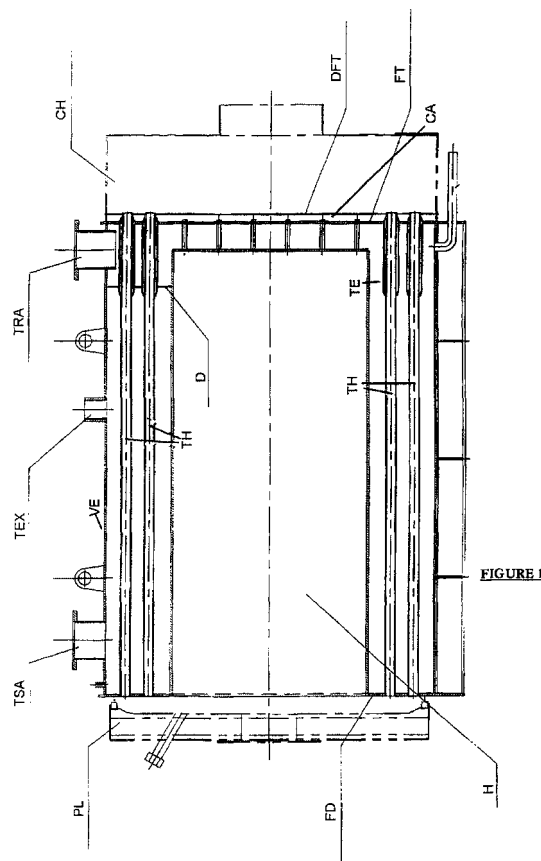
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(54) **Hot water generator for operation at low temperature**

(57) A hot water generator for operation at low temperature, of the pyrotubular type with a pressurized furnace and two stages of combustion gases. Among the generator's components there is a tubular bundle made up of steam pipes (TH) through which the combustion gases circulate, and enveloping pipes (TE) with a diameter greater than that of the steam pipes (TH) and mounted concentrically with respect to the said steam pipes (TH). Helicoidal gas turbulators (TG) travel through the inside of the steam pipes (TH) and have an external diameter equal to the internal diameter of the steam pipes (TH). The function of these gas turbulators (TG) is to put the combustion products into a turbulent state, thus obtaining a greater exchange between the gases and the exchange surfaces. It also has a double wall (DFT) situated between the steam box (CH) and the external rear wall (FT), as well as a deflector (D) which makes the circulating water move in a zig-zag.





European Patent
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EUROPEAN SEARCH REPORT

Application Number
EP 99 50 0235

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CATEGORY OF CITED DOCUMENTS X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document	T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document						

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**ANNEX TO THE EUROPEAN SEARCH REPORT
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