

Title (en)
STEAM GENERATOR FOR BATHS

Publication
EP 0310547 B1 19920102 (DE)

Application
EP 88810617 A 19880912

Priority
CH 383187 A 19871001

Abstract (en)
[origin: JPH01118002A] PURPOSE: To reduce the size and a cost of a steam generator for steam bath by a method wherein air at the periphery of a housing is supplied to the columnar housing having a water bath to introduce air by electric heating during operation by a blower, and circulated through the housing and a water pass. CONSTITUTION: A steam generator 1 is provided with a columnar housing 2 formed in a triangular shape in cross section. A coil resistance heating element 3IV is arranged in a water pass 3 to operate the steam generator. The size of the water pass 3 is set to a comparatively low value so that liquid is rapidly heated to temperature approximately equal to a boiling point. Air is introduced by a blower 4 is guided to a pipe 3" through an annular passage. By effecting bubbling through injection of air in the water bath, a contact area is increased and an amount of a liquid component in air is increased. Further, by circulating air, temperature distribution in a steam bath room is also further improved than a simple convection. Further, water brought into steam through circulation is returned to the water bath 3. A steam generator is formed in a small size and formed in a module unit having size suitable for a steam bath room.

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IPC 8 full level
F22B 1/28 (2006.01); **A61H 33/06** (2006.01)

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Cited by
DE29716620U1; DE19606346A1; DE19606346C2

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EP 0310547 A2 19890405; EP 0310547 A3 19900124; EP 0310547 B1 19920102; AT E70968 T1 19920115; CA 1287366 C 19910806; CH 674144 A5 19900515; DE 3867406 D1 19920213; DK 165816 B 19930125; DK 165816 C 19930621; DK 542088 A 19890402; DK 542088 D0 19880929; ES 2029531 T3 19920816; JP H01118002 A 19890510; NO 172624 B 19930510; NO 172624 C 19930818; NO 884369 D0 19880930; NO 884369 L 19890403; US 4939343 A 19900703

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