

Title (en)
Steam generator for baths.

Title (de)
Dampferzeuger für Dampfbäder.

Title (fr)
Générateur de vapeur pour bains.

Publication
EP 0310547 A2 19890405 (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.

Abstract (de)
Es wird ein Dampferzeuger (1) für Dampfbäder, insbesondere Dampfkabinen, vorgeschlagen, wobei ein säulenförmiges Gehäuse (2) ein elektrisch beheizbares und im Betrieb mit Luft beaufschlagtes Wasserbad (3) aufweist, so dass die Umgebungsluft des Gehäuses (2) durch einen Ventilator (4) in das Gehäuse (2) gesogen und durch das Gehäuse (2) und durch das Wasserbad (3) rezirkuliert wird.

IPC 1-7
A61H 33/06

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

CPC (source: EP US)
A61H 33/063 (2013.01 - EP US)

Cited by
DE29716620U1; DE19606346A1; DE19606346C2

Designated contracting state (EPC)
AT BE DE ES FR GB IT LU NL SE

DOCDB simple family (publication)
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

DOCDB simple family (application)
EP 88810617 A 19880912; AT 88810617 T 19880912; CA 578618 A 19880927; CH 383187 A 19871001; DE 3867406 T 19880912; DK 542088 A 19880929; ES 88810617 T 19880912; JP 24725588 A 19880930; NO 884369 A 19880930; US 25070488 A 19880928