



## PATENT ABSTRACTS OF JAPAN

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**F22B 1/28**(21) Application number: **2003322544**(22) Date of filing: **16.09.03**(71) Applicant: **SHIBUYA KOGYO CO LTD**(72) Inventor: **MEIGAN HIROSHI**  
**TAKEUCHI MAKOTO**(54) **STERILIZING STEAM GENERATOR**

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(57) Abstract:

**PROBLEM TO BE SOLVED:** To provide a sterilizing steam generator capable of surely vaporizing sterilizing liquid and feeding sterilizing steam of uniform concentration.

**SOLUTION:** An evaporation chamber 2 formed inside a housing 3 is formed with a conical surface 11b contracted downward, a cylindrical surface 11a positioned in the upper part of the conical surface is formed with an inlet 13A guiding gas from an air sending means 5 along the cylindrical surface 11a, a lid part 12 is vertically provided with an exhaust pipe 14, and an exhaust port 14A in its tip is projected to an intermediate position of the conical surface 11b of the evaporation chamber 2. A liquid feed means 4 drops aqueous hydrogen peroxide on the conical surface heated by a heating means 5 to vaporize it, and the hydrogen peroxide vapor is mixed with the gas guided from the inlet, passes to a lower end 11c while circulatively moving, becomes an ascending air current from the lower end and enters into the exhaust port.

