VAPOR INJECTING ICE AND HOT WATER GENERATING DEVICE

ABSTRACT

A vapor injecting ice and hot water generating device is disclosed. The Laffer nozzles are used as main working elements. When vapor from the vapor boiler **31** flows through the Laffer nozzle; the suction end **111** of the Laffer nozzle has a negative pressure so as to remove the latent heat of cycling water in the evaporator **12** connected to the suction end **111**. Thereby, the temperature of the water is reduced continuously to a preset value; then the water is sent to the ice water adjusting tank **42** for being used. Another, the vapor passing through the Laffer nozzle enters into the condenser **13**. The condensed water has a temperature lower than that of the vapor flowing down from a top of the condenser **13** for condensing the vapor. The condensed hot water is collected to the cycling condensing water storage tank **51** to be sent to the hot water adjusting tank **52** for being used. By above mentioned structure, power is saved.

Figure 1



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