

Abstract**Heating-Energy Saving System and Method**

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The present invention presents a heating-energy saving system 10 and a heating-energy saving method, which realize self-learning energy preservation (SLEP) system or method. By means of this system 10 or method, the energy consumption of a beverage machine 20, which is mainly due to heating of the liquid required to provide hot beverages, can be reduced. At the same time, by adaptively learning and anticipating when a user is likely to use the beverage machine 20, the waiting time for the user, which is typically caused by the reheating process of the liquid in the beverage machine 20, can be significantly reduced. The system adapts the heating to what it learns from the user behavior. The described system and method are adapted to be installed in all kinds of beverage machines 20, either used in private or in public.

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Fig. 2