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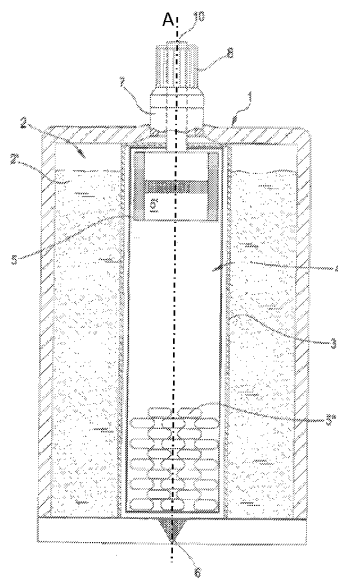


FIG. 1

(57) Abstract: The present invention relates to a portable thermal container (1) for consumer products (2') comprising at least a storing chamber (2) of the consumer products (2') and at least a reaction chamber (4) of a reagent component (5') and a reactive component (5''), wherein the reaction chamber (4) extends substantially entirely along the dimension of the largest dimension of the portable thermal container (1) and the storing chamber (2) is arranged side-by-side to the reaction chamber (4) to maximize the thermal exchange between the reaction chamber (4) and the storing chamber (2) in an homogeneous way, and the reaction chamber (4) comprises at least a storing portion and at least an expansion portion, wherein the total volume of said expansion portions is greater than the total volume of said storing portions to allow the safe expansion of the chemical reaction gases in said reaction chamber (4).

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