

Title (en)  
CONTAINER WITH INTEGRAL MODULE FOR HEATING OR COOLING THE CONTENTS

Title (de)  
BEHÄLTER MIT INTEGRALEM MODUL ZUR ERWÄRMUNG ODER KÜHLUNG DES INHALTS

Title (fr)  
RECIPIENT A MODULE INTEGRE EN RECHAUFFANT ET EN REFROIDISSANT LE CONTENU

Publication  
**EP 1866581 A1 20071219 (EN)**

Application  
**EP 05729743 A 20050317**

Priority  
US 2005008840 W 20050317

Abstract (en)  
[origin: WO2006101482A1] A container comprises a container body for containing contents to be heated or cooled, a thermic module at one end of the body, and a closure at the other end of the body. Within the thermic module, an internal exothermic (or, alternatively, endothermic) chemical reaction is initiated to heat its contents when a user actuates the thermic module. The thermic module includes a heat exchanger portion extending proximally into the container and a thermic module cap distal to the heat exchanger portion. The heat exchanger portion has a pleated wall to improve the heat transfer to the contents of the container. The container includes a rotatable cover adhered to the container end over the closure with heat-sensitive adhesive that prevents a user from accessing the contents until a certain temperature is reached. The container further includes a full panel full-off which covers and protects the actuator from being actuated until the pull-of lid is removed from the full panel full-off. The thermic module may also include a filter disposed in interfering relation with the thermic module vents, including a portion between the inner and outer actuator buttons, to block egress of any particles of the solid reactant or the reaction product.

IPC 8 full level  
**F25D 5/00** (2006.01); **B65D 55/00** (2006.01); **F24V 30/00** (2018.01)

CPC (source: EP)  
**B65D 81/3484** (2013.01); **C09K 5/18** (2013.01); **F24V 30/00** (2018.04); **F25D 5/02** (2013.01); **F25D 2331/805** (2013.01)

Citation (search report)  
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Cited by  
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