

Title (en)

HEAT FLUX CONTROL METHOD AND APPARATUS FOR CALORIMETRY, ADIABATIC SHIELDING, PRECISE TEMPERATURE SETTING AND THE LIKE

Title (de)

VERFAHREN ZUR STEUERUNG DES WÄRMEFLUSSES UND VORRICHTUNG ZUR KALORIMETRIE, ADIABATISCHE ABSCHIRMUNG, GENAUE TEMPERATUREINSTELLUNG UND DGL

Title (fr)

PROCEDE ET DISPOSITIF PERMETTANT DE REGULER UN FLUX THERMIQUE A DES FINS DE CALORIMETRIE, DE PROTECTION ADIABATIQUE, DE REGLAGE FIN DE LA TEMPERATURE, ETC.

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Application

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Abstract (en)

[origin: WO9960356A1] A method and an apparatus of heat flux control for calorimetry, adiabatic shielding, precise temperature setting and the like, on an object (2). The steps are provided of arranging a shield (1) about the object (2); heating uniformly (5) the shield (1) and monitoring (3) the heating step to maintain the shield (1) at a chosen temperature; arranging about the shield a thermal bath (7) at a known temperature in any case lower than the temperature of the shield (1); measuring the temperature of the object (2); and controlling (8) the heat flux (5) between the object (2) and the shield (1) by checking the temperature (4) of the object (2) and the temperature (3) of the shield (1). The application in the field of the calorimetry allows advantages and the use of a same calorimeter both in the classic adiabatic way, and in the temperature scanning adiabatic way as well as in the modulated way.

IPC 1-7

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