

Title (en)

A SYSTEM FOR CONTROLLING LABORATORY SAMPLE TEMPERATURE AND A THERMAL TRAY FOR USE IN SUCH SYSTEM

Title (de)

SYSTEM ZUR REGELUNG DER TEMPERATUR EINER LABORPROBE UND THERMISCHER TRAEGER FUER EIN SOLCHES SYSTEM

Title (fr)

SYSTEME DE REGULATION DE LA TEMPERATURE D'UN ECHANTILLON DE LABORATOIRE ET PLATEAU THERMIQUE UTILISE DANS CE SYSTEME

Publication

**EP 1228406 A4 20030312 (EN)**

Application

**EP 00968814 A 20001009**

Priority

- US 0027658 W 20001009
- US 41446399 A 19991007

Abstract (en)

[origin: WO0125866A1] A system (10) for controlling the temperature of a laboratory sample is shown to include a thermal support tray (12) having a body formed from thermally conductive material and tubing (50) disposed within the body (12). A pair of couplers (40, 42) connects the input end and the output end of the tubing to a fluid control unit (14). The control unit maintains the temperature of a fluid at a desired level and circulates the fluid through the couplers and the tubing, controlling the temperature of the laboratory sample. It is preferred for the thermally conductive material to be non-magnetic material such as aluminum. A cavity (38) is formed in the body, shaped to receive either a beaker or a peri dish. An outer coating is affixed to the tray and is preferably a powder coating.

IPC 1-7

**G05D 23/00**; **F28D 21/00**; **B01L 7/00**

IPC 8 full level

**B01L 7/00** (2006.01); **F25B 49/02** (2006.01); **G05D 23/00** (2006.01); **F25D 17/02** (2006.01); **F25D 31/00** (2006.01)

CPC (source: EP KR)

**B01L 7/00** (2013.01 - EP); **G05D 23/00** (2013.01 - KR); **F25D 17/02** (2013.01 - EP); **F25D 31/006** (2013.01 - EP)

Citation (search report)

- [A] GB 2250581 A 19920610 - COX SMITH PETER JOHN
- See references of WO 0125866A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE

DOCDB simple family (publication)

**WO 0125866 A1 20010412**; AU 7867500 A 20010510; EP 1228406 A1 20020807; EP 1228406 A4 20030312; JP 2003511751 A 20030325; KR 20020068516 A 20020827

DOCDB simple family (application)

**US 0027658 W 20001009**; AU 7867500 A 20001009; EP 00968814 A 20001009; JP 2001528762 A 20001009; KR 20027004444 A 20020406