

Title (en)

Apparatus and method for regulating the temperature of a liquid

Title (de)

Vorrichtung und Verfahren zum Einstellen einer Temperatur einer Flüssigkeit

Title (fr)

Dispositif et proeéd  pour regler la temperature d'un liquide

Publication

EP 1642648 A1 20060405 (DE)

Application

EP 05017580 A 20050812

Priority

- EP 04023309 A 20040930
- EP 05017580 A 20050812

Abstract (en)

Liquid samples (11-20) which need to be raised to a set temperature within a fixed short interval are moved through e.g. an infrared radiation zone (2). Inert beads of material of thermal conductivity greater than 0.6W/mK are added to the samples in order to accelerate the heating rate. The temperature of each sample is monitored (3) and may be used to control the heater. Independent claims are included for the method of increasing sample heating rate by addition of heat absorption material, and for the use of infrared heating.

IPC 8 full level

B01L 7/00 (2006.01)

CPC (source: EP US)

B01L 7/00 (2013.01 - EP US); **B01L 3/50851** (2013.01 - EP US); **B01L 2300/1872** (2013.01 - EP US)

Citation (applicant)

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Citation (examination)

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Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

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DOCDB simple family (application)

EP 05017580 A 20050812; CA 2516885 A 20050824; JP 2005286954 A 20050930; US 22681805 A 20050913; US 55382709 A 20090903