

Title (en)

MICRO-FLOW MODULE FOR CHEMICAL ANALYSIS

Title (de)

MIKROFLUSSMODUL ZUR CHEMISCHEN ANALYTIK

Title (fr)

MODULE A MICRODEBIT POUR L'ANALYSE CHIMIQUE

Publication

EP 1093578 A1 20010425 (DE)

Application

EP 98910665 A 19980213

Priority

- DE 19707044 A 19970221
- EP 9800836 W 19980213

Abstract (en)

[origin: DE19707044C1] The invention relates to a micro-flow module for chemical analysis. The invention seeks to create a micro-flow module which makes possible fast sample change and thus inexpensive investigation of fast processes, time-resolved and with low-time constants, and optionally also offers the possibility of carrying out scanning-calorimetry. To this end, the micro-flow module consists of a first chip (1), into which is inserted an extended channel area (10) with a Y-shaped, branched input area (11), to which two input channels (12, 13) connect, and the first chip (1) is overlappingly connected with a second chip (2), which has at least one thermosensitive thin-layer element (21) on the side of the channel.

IPC 1-7

G01N 25/40; H01L 27/16; H01L 49/00; G01K 17/00

IPC 8 full level

B01J 19/00 (2006.01); **G01N 25/40** (2006.01); **G01N 25/48** (2006.01); **H01L 35/32** (2006.01)

CPC (source: EP)

B01J 19/0093 (2013.01); **G01N 25/4873** (2013.01); **B01J 2219/00783** (2013.01); **B01J 2219/00828** (2013.01); **B01J 2219/00831** (2013.01); **B01J 2219/00873** (2013.01); **B01J 2219/00889** (2013.01)

Citation (search report)

See references of WO 9837408A1

Designated contracting state (EPC)

AT BE CH DK ES FI FR GB IT LI NL SE

DOCDB simple family (publication)

DE 19707044 C1 19980806; EP 1093578 A1 20010425; JP 2001513882 A 20010904; WO 9837408 A1 19980827

DOCDB simple family (application)

DE 19707044 A 19970221; EP 9800836 W 19980213; EP 98910665 A 19980213; JP 53623198 A 19980213