

Title (en)

SAMPLE INTRODUCTION DEVICE FOR MASS SPECTROMETRY USING A FAST FLUIDIC SYSTEM TO SYNCHRONIZE MULTIPLE PARALLEL LIQUID SAMPLE STREAMS

Title (de)

VORRICHTUNG ZUR EINFÜHRUNG VON FLÜSSIGEN PROBEN IN EIN MASSENSPEKTROMETER UNTER VERWENDUNG EINES SCHNELLEN VENTILSYSTEMS ZUR SYNCHRONISATION MEHRERER PARALELLER PROBENSTRÖMEN

Title (fr)

DISPOSITIF D'INTRODUCTION D'ECHANTILLONS DESTINE A LA SPECTROMETRIE DE MASSE, UTILISANT UN SYSTEME FLUIDIQUE RAPIDE POUR SYNCHRONISER DES FLUX D'ECHANTILLONS LIQUIDES PARALLELES MULTIPLES

Publication

EP 1338026 B1 20110316 (EN)

Application

EP 01998807 A 20011128

Priority

- CA 0101673 W 20011128
- US 25361600 P 20001128
- US 27006701 P 20010220

Abstract (en)

[origin: WO0244684A2] ABSTRACT A sample introduction device for introducing a plurality of independent fluid sample streams into a mass spectrometer includes a manifold (84) having a plurality of fluid sample stream direct paths. Each direct path extends between a fluid sample stream inlet (80, 82) and a fluid sample stream outlet. A plurality of bypass paths (92, 96) is also provided in the manifold. Each bypass path is coupled to a respective one of the direct paths between the inlet and outlet. A plurality of transfer lines (86,94) is also provided with each transfer line being coupled to a respective one of the outlets to deliver a fluid sample stream to an ionization region of the mass spectrometer. A valve (90, 96) is positioned in each of the bypass paths and is actuable to divert the fluid sample stream entering the direct path via the inlet from the direct path and into the bypass path.

IPC 8 full level

G01N 27/62 (2006.01); **H01J 49/04** (2006.01)

CPC (source: EP)

H01J 49/04 (2013.01)

Designated contracting state (EPC)

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

DOCDB simple family (publication)

WO 0244684 A2 20020606; WO 0244684 A3 20030227; AT E502391 T1 20110415; AU 2002223343 B2 20070118; AU 2334302 A 20020611; CA 2429007 A1 20020606; CA 2429007 C 20081125; DE 60144243 D1 20110428; EP 1338026 A2 20030827; EP 1338026 B1 20110316; JP 2004525483 A 20040819; JP 3917938 B2 20070523

DOCDB simple family (application)

CA 0101673 W 20011128; AT 01998807 T 20011128; AU 2002223343 A 20011128; AU 2334302 A 20011128; CA 2429007 A 20011128; DE 60144243 T 20011128; EP 01998807 A 20011128; JP 2002546183 A 20011128