

Title (en)

MASS SPECTROMETRY WITH SEGMENTED RF MULTIPLE ION GUIDES IN VARIOUS PRESSURE REGIONS

Title (de)

MASSENSPEKTROMETRIE MIT SEGMENTIERTEN HF-MEHRFACHIONENFÜHRUNGEN IN VERSCHIEDENEN DRUCKREGIONEN

Title (fr)

SPECTROMETRIE DE MASSE A MULTIPLES GUIDES IONIQUES RF SEGMENTES EN PLUSIEURS ZONES DE PRESSION

Publication

EP 2421023 A1 20120222 (EN)

Application

EP 11185701 A 20030530

Priority

- EP 03756377 A 20030530
- US 38510002 P 20020531

Abstract (en)

A mass spectrometer is configured with individual multipole ion guides, configured in an assembly in alignment along a common centreline. A linear (22) of four independent quadrupole ion guides (23, 24, 25, 26) and three smaller quadrupole ion guide segments (39, 40, 41) are positioned along common axis (27) and are configured in a six vacuum pumping stage hybrid API source-multiple quadrupole TOF mass analyzer.

IPC 8 full level

H01J 49/06 (2006.01); **H01J 49/40** (2006.01); **H01J 49/42** (2006.01)

CPC (source: EP)

H01J 49/004 (2013.01); **H01J 49/063** (2013.01); **H01J 49/4225** (2013.01)

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Designated contracting state (EPC)

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

DOCDB simple family (publication)

WO 03102508 A1 20031211; AU 2003249685 A1 20031219; CA 2487136 A1 20031211; CA 2487136 C 20081230; CA 2641940 A1 20031211; CA 2641940 C 20111115; EP 1549914 A1 20050706; EP 1549914 A4 20090325; EP 1549914 B1 20121226; EP 2421023 A1 20120222

DOCDB simple family (application)

US 0317437 W 20030530; AU 2003249685 A 20030530; CA 2487136 A 20030530; CA 2641940 A 20030530; EP 03756377 A 20030530; EP 11185701 A 20030530