

Title (en)
IMPROVED MASS SPECTROMETRIC ANALYSIS USING NANOPARTICLES

Title (de)
VERBESSERTE MASSENSPEKTROMETRISCHE ANALYSE UNTER VERWENDUNG VON NANOPARTIKELN

Title (fr)
ANALYSE SPECTROMETRIQUE DE MASSE AMELIOREE, EFFECTUEE A L'AIDE DE NANOPARTICULES

Publication
EP 1425584 A2 20040609 (DE)

Application
EP 02797583 A 20020816

Priority
• DE 10144250 A 20010831
• EP 0209196 W 20020816

Abstract (en)
[origin: WO03021267A2] The invention relates to an improved method for mass spectrometric analysis, especially for matrix-assisted laser desorption/ionisation time-of-flight mass spectrometry (MALDI-TOF-MS), using nanoparticles. An analyte is added to a nanoparticle suspension and the suspension containing the bound analyte is then deposited directly on a MALDI sample carrier and is analysed by mass spectrometry. The invention also relates to nanoparticles which are suitable for said method.

IPC 1-7
G01N 33/543

IPC 8 full level
G01N 27/62 (2006.01); **G01N 27/64** (2006.01); **G01N 33/483** (2006.01); **G01N 33/543** (2006.01)

CPC (source: EP US)
G01N 33/54346 (2013.01 - EP US); **G01N 2458/15** (2013.01 - EP US); **Y10T 436/24** (2015.01 - EP US)

Citation (search report)
See references of WO 03021267A2

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SK TR

DOCDB simple family (publication)
WO 03021267 A2 20030313; **WO 03021267 A3 20031218**; CA 2457945 A1 20030313; DE 10144250 A1 20030403; EP 1425584 A2 20040609; JP 2005502050 A 20050120; US 2005037516 A1 20050217; US 7202472 B2 20070410

DOCDB simple family (application)
EP 0209196 W 20020816; CA 2457945 A 20020816; DE 10144250 A 20010831; EP 02797583 A 20020816; JP 2003525299 A 20020816; US 48806104 A 20040510