

Title (en)

DETECTION AND/OR QUANTIFICATION OF A COMPOUND IN A SAMPLE

Title (de)

NACHWEIS UND/ODER QUANTIFIZIERUNG EINER VERBINDUNG IN EINER PROBE

Title (fr)

DÉTECTION ET/OU QUANTIFICATION D'UN COMPOSÉ DANS UN ÉCHANTILLON

Publication

EP 2499655 A1 20120919 (EN)

Application

EP 10798370 A 20101115

Priority

- GB 0919870 A 20091113
- GB 2010051904 W 20101115

Abstract (en)

[origin: WO2011058381A1] The invention relates to a method of screening and/or detecting and/or quantifying the amount of one or more compounds of interest in a sample. The invention also relates to a control system and mass spectrometer programmed to carry out the method. The method involves identifying one or more parent and/or daughter ion masses of interest, acquiring a first data set from the sample, determining the presence of candidate parent ions of interest and/or a first set of candidate daughter ions of interest in the first data set, selecting the candidate parent ions of interest, fragmenting the selected candidate parent ions of interest to produce a second set of candidate daughter ions of interest and creating a mass spectrum of at least some of the second set of candidate daughter ions of interest. One embodiment of the invention involves determining or calculating the quantity of at least a first compound of interest from the mass spectrum. Another embodiment of the invention involves confirming the presence or absence of a first compound of interest in the mass spectrum.

IPC 8 full level

H01J 49/00 (2006.01)

CPC (source: EP)

H01J 49/0031 (2013.01); **H01J 49/0036** (2013.01); **H01J 49/0045** (2013.01)

Citation (search report)

See references of WO 2011058381A1

Citation (examination)

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- US 2001052569 A1 20011220 - BATEMAN ROBERT HAROLD [GB], et al
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Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)

WO 2011058381 A1 20110519; EP 2499655 A1 20120919; GB 0919870 D0 20091230

DOCDB simple family (application)

GB 2010051904 W 20101115; EP 10798370 A 20101115; GB 0919870 A 20091113