

Title (en)

FUNCTIONALIZING A SAMPLING ELEMENT FOR USE WITH A MASS SPECTROMETRY SYSTEM

Title (de)

FUNKTIONALISIERUNG EINES PROBENNAHMEELEMENTS ZUR VERWENDUNG MIT EINEM MASSENSPEKTROMETRIESYSTEM

Title (fr)

FONCTIONNALISATION D'UN ÉLÉMENT D'ÉCHANTILLONNAGE DESTINÉ À ÊTRE UTILISÉ AVEC UN SYSTÈME DE SPECTROMÉTRIE DE MASSE

Publication

**EP 3867943 A1 20210825 (EN)**

Application

**EP 19790858 A 20191017**

Priority

- US 201862747480 P 20181018
- IB 2019058876 W 20191017

Abstract (en)

[origin: WO2020079647A1] Apparatus, systems, and methods disclosed herein are useful for sampling in a mass spectrometry systems. In particular, methods disclosed include functionalizing an outer surface of elongate sampling element, for example, a glass or silica rod with a polypeptide that preferentially binds to an analyte. The elongate sampling element extends and is configured for insertion into an open port sampling interface of a mass spectrometry system for detection and analysis of the analyte.

IPC 8 full level

**H01J 49/04** (2006.01); **G01N 1/00** (2006.01); **G01N 1/40** (2006.01)

CPC (source: EP)

**G01N 33/6848** (2013.01); **H01J 49/04** (2013.01)

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

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**WO 2020079647 A1 20200423**; CN 112868086 A 20210528; EP 3867943 A1 20210825; JP 2022505162 A 20220114

DOCDB simple family (application)

**IB 2019058876 W 20191017**; CN 201980068358 A 20191017; EP 19790858 A 20191017; JP 2021521102 A 20191017