

Title (en)
MICROFLUIDIC METHOD FOR ANALYSING METALS

Title (de)
MIKROFLUIDISCHES VERFAHREN ZUR ANALYSE VON METALLEN

Title (fr)
PROCÉDÉ MICROFLUIDIQUE D'ANALYSE DE MÉTAUX

Publication
EP 3856414 A1 20210804 (FR)

Application
EP 19773850 A 20190927

Priority
• FR 1858997 A 20180928
• EP 2019076142 W 20190927

Abstract (en)
[origin: WO2020064987A1] The present invention relates to a microfluidic method for analysing a fluid containing a metal trace element, in particular arsenic, comprising the following steps: a) introducing a fluid sample into at least one micro-channel of a microfluidic circuit; b) mixing, in the micro-channel of the microfluidic circuit, the introduced fluid sample with nitric acid and L-cysteine; and c) measuring the quantity of metal trace element present in the sample using an electrochemical detection method.

IPC 8 full level
B01L 3/00 (2006.01); **G01N 27/48** (2006.01); **G01N 27/49** (2006.01); **G01N 33/18** (2006.01); **G01N 33/20** (2019.01)

CPC (source: EP US)
B01L 3/502715 (2013.01 - US); **G01N 27/48** (2013.01 - EP); **G01N 27/49** (2013.01 - EP US); **G01N 33/1813** (2013.01 - EP US); **B01L 2200/0684** (2013.01 - US); **B01L 2200/16** (2013.01 - US); **B01L 2300/0645** (2013.01 - US); **B01L 2300/0819** (2013.01 - US); **B01L 2300/0867** (2013.01 - US); **B01L 2400/0478** (2013.01 - US); **B01L 2400/0666** (2013.01 - US)

Citation (search report)
See references of WO 2020064987A1

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 2020064987 A1 20200402; EP 3856414 A1 20210804; FR 3086759 A1 20200403; US 2022032297 A1 20220203

DOCDB simple family (application)
EP 2019076142 W 20190927; EP 19773850 A 20190927; FR 1858997 A 20180928; US 201917280546 A 20190927