

Title (en)
MIXTURE IDENTIFICATION

Title (de)
IDENTIFIZIERUNG EINER MISCHUNG

Title (fr)
IDENTIFICATION DE MÉLANGE

Publication
EP 3292402 A1 20180314 (EN)

Application
EP 16728070 A 20160509

Priority
• GB 201507841 A 20150507
• GB 2016051315 W 20160509

Abstract (en)
[origin: WO2016178033A1] Methods, systems and computer-readable media for identifying a sample mixture based on relative isotope ratios for a plurality of compounds in the sample mixture by correlating a set of three or more relative isotope ratios for a sample mixture with a set of three or more delta values for one of more reference mixtures, wherein the delta values are indicative of a relative isotope composition for a plurality of compounds in the reference mixtures. In this manner, the set of three or more isotope ratios for the sample mixture serves as an isotope ratio signature which is independent of any underlying calibration of the apparatus used to obtain the relative isotope ratio values.

IPC 8 full level
G01N 30/86 (2006.01); **G01N 30/84** (2006.01); **G01N 30/88** (2006.01); **H01J 49/00** (2006.01)

CPC (source: EP GB)
G01N 30/86 (2013.01 - GB); **G01N 30/8679** (2013.01 - EP); **G01N 30/8686** (2013.01 - EP); **G01N 30/8696** (2013.01 - GB);
G16C 20/20 (2019.01 - EP); **H01J 49/0036** (2013.01 - EP); **G01N 2030/8405** (2013.01 - EP); **G01N 2030/8868** (2013.01 - EP GB)

Citation (search report)
See references of WO 2016178033A1

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 2016178033 A1 20161110; EP 3292402 A1 20180314; GB 201507841 D0 20150617; GB 2538232 A 20161116

DOCDB simple family (application)
GB 2016051315 W 20160509; EP 16728070 A 20160509; GB 201507841 A 20150507