

Title (en)

BEAD-BASED ANALYSIS OF A SAMPLE

Title (de)

PERLENBASIERTE ANALYSE EINER PROBE

Title (fr)

ANALYSE FONDÉE SUR DES BILLES D'UN ÉCHANTILLON

Publication

**EP 4133259 A1 20230215 (EN)**

Application

**EP 21784000 A 20210408**

Priority

- US 202016845458 A 20200410
- CA 2021050466 W 20210408

Abstract (en)

[origin: WO2021203201A1] A method includes attaching two or more beads to each unit of one or more units of a chemical component in a sample, to form, for each unit of the chemical component, a multi-bead complex including two or more beads and the unit of the chemical component; placing the sample on a surface of an image sensor; at the image sensor, receiving light originating at a light source, the received light including light reflected by, refracted by, or transmitted through the beads of the multi-bead complexes; at the image sensor, capturing one or more images of the sample from the received light; and identifying, in at least one of the images of the sample, separate multi-bead complexes, the identifying of the separate multi-bead complexes including associating the two or more beads of each of the multi-bead complexes based on proximity to one another.

IPC 8 full level

**G01N 21/75** (2006.01)

CPC (source: EP KR)

**G01N 21/17** (2013.01 - KR); **G01N 21/6454** (2013.01 - EP KR); **G01N 21/8483** (2013.01 - KR); **G01N 33/54313** (2013.01 - EP KR); **G01N 33/54333** (2013.01 - EP); **G01N 33/54373** (2013.01 - EP); **G01N 33/56983** (2013.01 - KR); **G01N 2021/1765** (2013.01 - KR); **G01N 2333/005** (2013.01 - KR)

Designated contracting state (EPC)

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Designated extension state (EPC)

BA ME

Designated validation state (EPC)

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DOCDB simple family (publication)

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