

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 A4 20230927 (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); **G01N 33/543** (2006.01)

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Citation (search report)
• [XP] WO 2020191480 A1 20201001 - ALENTIC MICROSCIENCE INC [CA]
• [X] WO 2011026030 A1 20110303 - MBIO DIAGNOSTICS CORP [US], et al
• [X] WO 2013057634 A1 20130425 - KONINKL PHILIPS ELECTRONICS NV [NL]
• See also references of WO 2021203201A1

Designated contracting state (EPC)
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CA 2021050466 W 20210408; CA 3179549 A 20210408; CN 202180034404 A 20210408; EP 21784000 A 20210408; JP 2022561579 A 20210408; KR 20227038961 A 20210408