

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  
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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)

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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DOCDB simple family (publication)  
**WO 2021203201 A1 20211014**; CA 3179549 A1 20211014; CN 115552225 A 20221230; EP 4133259 A1 20230215; EP 4133259 A4 20230927; JP 2023520733 A 20230518; KR 20220165759 A 20221215

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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