

Title (en)
METHOD FOR ANALYSING A BIOLOGICAL SAMPLE COMPRISING DETERMINATION OF THE SPATIAL DISTRIBUTION OF BIOMASS ALONG THE OPTICAL AXIS

Title (de)
VERFAHREN ZUR ANALYSE EINER BIOLOGISCHEN PROBE MIT BESTIMMUNG DER RÄUMLICHEN VERTEILUNG VON BIOMASSE ENTLANG DER OPTISCHEN ACHSE

Title (fr)
PROCEDE D'ANALYSE D'UN ECHANTILLON BIOLOGIQUE AVEC DETERMINATION DE LA REPARTITION SPATIALE DE BIOMASSE LE LONG DE L'AXE OPTIQUE

Publication
EP 4217713 A1 20230802 (FR)

Application
EP 21798063 A 20210923

Priority
• FR 2009779 A 20200925
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Abstract (en)
[origin: WO2022064147A1] A method of analyzing a biological sample comprising biological agents and disposed in an analysis receptacle in a field of view of a holographic imaging system defining an acquisition focal plane, comprising, for each of a plurality of measurement times: acquiring (S02a) a plurality of holographic images of the biological sample at different respective positions of the acquisition focal plane, and, from each acquired holographic image, determining (S02b) a value of a biomass parameter representative of the quantity of biological agents at the position of the acquisition focal plane, the method comprising constructing (S03) a distribution indicator from values of the biomass parameter at the same measurement time for a plurality of positions of the acquisition focal plane, and providing, among the analysis results (S05), a representation of the distribution of the biomass of biological agents, derived from at least one distribution indicator at a measurement time.

IPC 8 full level
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CPC (source: EP US)
C12M 41/36 (2013.01 - US); **C12Q 1/02** (2013.01 - US); **G01N 15/14** (2013.01 - EP); **G01N 15/1433** (2024.01 - EP); **G01N 15/1434** (2013.01 - EP); **G01N 21/453** (2013.01 - EP US); **C12M 41/36** (2013.01 - EP); **G01N 2015/1006** (2013.01 - EP); **G01N 2015/1454** (2013.01 - EP); **G01N 2015/1486** (2013.01 - EP)

Citation (search report)
See references of WO 2022064147A1

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