



SUPPLEMENTARY EUROPEAN SEARCH REPORT

Application number:
EP 22 74 33 85

Classification of the application (IPC):
C12N 15/10, G01N 33/543, G01N 33/544, G01N 33/545, C12Q 1/6806

Technical fields searched (IPC):
C12N, G01N, C12Q

DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim
X	SU KYUNG SUH ET AL: "Synthesis of magnetic hydrogel microparticles for bioassays and tweezer manipulation in microwells" <i>MICROFLUIDICS AND NANOFUIDICS</i> , SPRINGER, BERLIN, DE, 10 April 2012 (2012-04-10), vol. 13, no. 4, DOI: 10.1007/S10404-012-0977-8, ISSN: 1613-4990, pages 665-674, XP035131175 * see p. 665-667, 669-671, Figs 2-3 *	1, 4, 6-12, 14
X	WO 2020037214 A1 (UNIV CALIFORNIA [US]) 20 February 2020 (2020-02-20) * see par. [003, 007, 009-011, 013, 015, 025, 033, 038, 040-043, 047,-048, 052-055, 062-064, 072, 075, 078, 082, 091-093, 114-115, 130-142, 156, 183-198, 203], Figs, 2, 12-13, 15-16 *	1-14
Y	WO 2019076938 A1 (SCHERR STEVEN [US]; BRENNAN COLIN J H [US] ET AL.) 25 April 2019 (2019-04-25) * see p. 17-18 *	1-15
A	HORÁK DANIEL ET AL: "Magnetic microparticulate carriers with immobilized selective ligands in DNA diagnostics" <i>POLYMER</i> AMSTERDAM, NL 01 February 2005 (2005-02-01), vol. 46, no. 4, DOI: 10.1016/j.polymer.2004.11.049, ISSN: 0032-3861, pages 1245-1255, XP093220093 * see abstract, p.1246-1247 *	1-15
Y	WO 2020069298 A1 (FLUENT BIOSCIENCES INC [US]) 02 April 2020 (2020-04-02) * see par. [003-009, 026, 034-036, 047-048, 133], claims, Figs. 2-5 *	1-15
Y	WO 2019139650 A2 (UNIV CALIFORNIA [US]) 18 July 2019 (2019-07-18) * see claims *	1-15

The supplementary search report has been based on the last set of claims valid and available at the start of the search.

Place of search The Hague	Date of completion of the search 04 November 2024	Examiner Diez Schlereth, D
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CATEGORY OF CITED DOCUMENTS

X: particularly relevant if taken alone	P: intermediate document
Y: particularly relevant if combined with another document of the same category	T: theory or principle underlying the invention
A: technological background	E: earlier patent document, but published on, or after the filing date
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Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim
A	<p>HATORI MAKIKO N. ET AL: "Particle-Templated Emulsification for Microfluidics-Free Digital Biology" <i>ANALYTICAL CHEMISTRY</i> US 23 July 2018 (2018-07-23), vol. 90, no. 16, pages 9813-9820 URL: http://pubs.acs.org/doi/pdf/10.1021/acs.analchem.8b01759 , ISSN: 0003-2700, XP093220159 * see p. 9813, 9818-9819, Fig. 1 *</p>	1-15
A	<p>WU CHUEH-YU ET AL: "Monodisperse drops templated by 3D-structured microparticles" <i>SCIENCE ADVANCES</i> US 06 November 2020 (2020-11-06), vol. 6, no. 45, DOI: 10.1126/sciadv.abb9023, ISSN: 2375-2548, XP093220119 * see p. 1, 5-7, Figs. 1, 3 *</p>	1-15
A	<p>CHEN CHIA-HUNG ET AL: "Microfluidic Assembly of Magnetic Hydrogel Particles with Uniformly Anisotropic Structure" <i>ADVANCED MATERIALS</i> DE 17 August 2009 (2009-08-17), vol. 21, no. 31, DOI: 10.1002/adma.200900499, ISSN: 0935-9648, pages 3201-3204, XP093220162 * the whole document *</p>	1-15
A	<p>SONJA BERENSMEIER: "Magnetic particles for the separation and purification of nucleic acids" <i>APPLIED MICROBIOLOGY AND BIOTECHNOLOGY</i>, SPRINGER, BERLIN, DE, 25 October 2006 (2006-10-25), vol. 73, no. 3, DOI: 10.1007/S00253-006-0675-0, ISSN: 1432-0614, pages 495-504, XP019458779 * see p. 496-498, 500-501, Fig. 1, Tables 1-3 *</p>	1-15
A	<p>A. Armstead: "A Novel Hydrogel-Based Approach for Cell Isolation, Purification and Release American Laboratory", 22 February 2016 (2016-02-22) URL: https://www.americanlaboratory.com/914-Application-Notes/183423-A-Novel-Hydrogel-Based-Approach-for-Cell-Isolation-Purification-and-Release/ , XP093220113 * see Fig. 1 *</p>	1-15

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ANNEX TO SUPPLEMENTARY EUROPEAN SEARCH REPORT

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