Title (en)

METHOD FOR THE SEPARATION OF POLARISABLE BIOPARTICLES

Title (de)

VERFAHREN ZUR SEPARATION POLARISIERBARER BIOPARTIKEL

Title (fr)

PROCÉDÉ DE SÉPARATION DE BIOPARTICULES POLARISABLES

Publication

EP 2707142 A2 20140319 (DE)

Application

EP 12721800 A 20120509

Priority

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- EP 2012058575 W 20120509

Abstract (en)

[origin: WO2012152844A2] The invention relates to a method for the separation of a polarisable bioparticle comprising the steps: a) dielectrophoretic preseparation of a polarisable bioparticle from a suspension of bioparticles; b) fluidic separation of the selected bioparticle by fixing the bioparticle in a dielectrophoretic field cage and circulating fluid around the bioparticle; c) transferring the separated bioparticle from the dielectrophoretic field cage to a culture chamber; d) dielectrophoretic fixing of the separated bioparticle in the culture chamber and study, observation, manipulation and/or culturing of the separated bioparticle. The invention further relates to a microfluidic system and use thereof.

IPC 8 full level

B03C 5/00 (2006.01)

CPC (source: EP US)

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Citation (search report)

See references of WO 2012152844A2

Citation (examination)

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- WO 2004082840 A1 20040930 - EVOTEC AG [DE], et al
- T. M?LLER ET AL: "A 3-D microelectrode system for handling and caging single cells and particles", BIOSENSORS AND BIOELECTRONICS, vol. 14, no. 3, 1 March 1999 (1999-03-01), pages 247 - 256, XP055108243, ISSN: 0956-5663, DOI: 10.1016/S0956-5663(99)00006-8

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