

Title (en)
MAGNETIC FLOW CYTOMETRY FOR INDIVIDUAL CELL DETECTION

Title (de)
MAGNETISCHE DURCHFLUSSZYTOMETRIE ZUR EINZELZELLENDETEKTION

Title (fr)
CYTOMÉTRIE EN FLUX MAGNÉTIQUE POUR DÉTECTION DE CELLULES INDIVIDUELLES

Publication
EP 2614355 A1 20130717 (DE)

Application
EP 11757210 A 20110829

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Abstract (en)
[origin: CA2810542A1] The invention relates to flow cytometry. The claimed method ensures precise individual cell detection and cell measurement of cells in the flow. A pair of magnetoresistive components are used to produce a characteristic measuring signal profile from which the following information can be obtained: number of measurement deviations, measurement deviation distances, measurement deviation amplitudes, measurement deviation direction and measurement deviation direction sequence. The flow speed and the cell diameter can also be determined. Also, the signal noise ratio can be determined using the measurement deviation amplitude.

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G01N 15/10 (2006.01)

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