

Title (en)

METHOD AND ARRANGEMENT FOR DETECTING CELLS IN A CELL SUSPENSION

Title (de)

VERFAHREN UND ANORDNUNG ZUR DETEKTION VON ZELLEN IN EINER ZELLSUSPENSION

Title (fr)

PROCÉDÉ ET DISPOSITIF DE DÉTECTION DE CELLULES DANS UNE SUSPENSION CELLULAIRE

Publication

EP 2841940 A1 20150304 (DE)

Application

EP 13726515 A 20130603

Priority

- DE 102012210598 A 20120622
- EP 2013061348 W 20130603

Abstract (en)

[origin: WO2013189722A1] The invention relates to an arrangement for quantifying cells while differentiating between at least two different sizes of cell types and/or cell conglomerate types in a cell suspension, comprising a magnetic field-sensitive sensor which has at least one first and second pair of sensor elements. The sensor elements of the first pair are connected as part of a Wheatstone bridge and have a first spacing of between half and double a first average size of a first cell or cell conglomerate type to be measured. The sensor elements of the second pair are connected as part of a Wheatstone bridge and have a second spacing of between half and double a second average size of a second cell or cell conglomerate type to be measured. A third spacing of the two closest sensor elements of the pairs is greater than the larger of the two average sizes. The arrangement also comprises a channel for conducting the cell suspension past the sensor elements.

IPC 8 full level

G01N 33/49 (2006.01); **G01N 15/06** (2006.01); **G01N 27/74** (2006.01); **G01N 33/543** (2006.01); **G01R 33/09** (2006.01); **G01R 33/12** (2006.01)

CPC (source: EP US)

G01N 15/1031 (2013.01 - EP US); **G01N 33/5094** (2013.01 - US); **G01N 33/54326** (2013.01 - EP US); **G01N 33/54373** (2013.01 - EP US); **G01R 33/09** (2013.01 - EP US); **G01R 33/093** (2013.01 - EP US); **G01N 2015/0092** (2013.01 - EP US); **G01N 2015/1006** (2013.01 - EP US)

Citation (search report)

See references of WO 2013189722A1

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

DE 102012210598 A1 20131224; CN 104364647 A 20150218; CN 104364647 B 20160817; EP 2841940 A1 20150304; US 2015198587 A1 20150716; WO 2013189722 A1 20131227

DOCDB simple family (application)

DE 102012210598 A 20120622; CN 201380032874 A 20130603; EP 13726515 A 20130603; EP 2013061348 W 20130603; US 201314409563 A 20130603