

Title (en)

DYNAMIC MONITORING OF CELL ADHESION AND SPREADING USING THE RT-CES SYSTEM

Title (de)

DYNAMISCHE ÜBERWACHUNG VON ZELLADHÄSION UND -VERTEILUNG MIT HILFE DES RT-CES-SYSTEMS

Title (fr)

SURVEILLANCE DYNAMIQUE DE L'ADHESION ET DE LA DIFFUSION CELLULAIRE A L'AIDE DU SYSTEME RT-CES

Publication

**EP 1800312 A4 20111005 (EN)**

Application

**EP 05812268 A 20050927**

Priority

- US 2005034561 W 20050927
- US 61374904 P 20040927
- US 61387204 P 20040927
- US 61460104 P 20040929
- US 98773204 A 20041112
- US 2004037696 W 20041112
- US 63007104 P 20041122
- US 63013104 P 20041122
- US 63080904 P 20041124
- US 63301904 P 20041203
- US 64718905 P 20050126
- US 64715905 P 20050126
- US 64707505 P 20050126
- US 5563905 A 20050209
- US 2005004481 W 20050209
- US 65390405 P 20050217
- US 66082905 P 20050310
- US 66089805 P 20050310
- US 67367805 P 20050421
- US 68942205 P 20050610
- US 19883105 A 20050804
- US 2005027943 W 20050804
- US 2005027891 W 20050804
- US 19799405 A 20050804

Abstract (en)

[origin: WO2006036952A2] The present invention includes devices and methods for dynamically monitoring cell adhesion and cell spreading. Cells are added to a microelectronic cell sensor array operably connected to an impedance analyzer. The device also includes a coating including biological molecule or organic compound capable of interacting with the cell. Cell adhesion and cell mobility is determined by detecting changes in impedance and comparing impedance or cell index values between samples.

IPC 8 full level

**G11C 11/00** (2006.01); **C12M 1/34** (2006.01); **G01N 29/036** (2006.01); **H01M 4/50** (2010.01)

CPC (source: EP)

**G01N 29/036** (2013.01); **G01N 2291/0257** (2013.01)

Citation (search report)

- [X1] WO 2004010103 A2 20040129 - ACEA BIOSCIENCES INC [US], et al
- See references of WO 2006036952A2

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

**WO 2006036952 A2 20060406**; **WO 2006036952 A3 20061221**; CA 2580548 A1 20060406; EP 1800312 A2 20070627; EP 1800312 A4 20111005

DOCDB simple family (application)

**US 2005034561 W 20050927**; CA 2580548 A 20050927; EP 05812268 A 20050927