

Title (en)

USE OF IMPEDANCE-BASED CYTOLOGICAL PROFILING TO CLASSIFY CELLULAR RESPONSE PROFILES UPON EXPOSURE TO BIOLOGICALLY ACTIVE AGENTS

Title (de)

VERWENDUNG EINER IMPEDANZ-BASIERTEN ZELLPROFILIERUNG ZUR KLASSIFIKATION VON ZELLENREAKTIONSPROFILIEN BEI DER ZUGABE BIOLOGISCH AKTIVER WIRKSTOFFE

Title (fr)

UTILISATION DU PROFILAGE CYTOLOGIQUE BASE SUR L'IMPEDANCE POUR CLASSER DES PROFILS DE REPONSES CELLULAIRES LORS D'UNE EXPOSITION A DES AGENTS BIOLOGIQUEMENT ACTIFS

Publication

**EP 2064644 A2 20090603 (EN)**

Application

**EP 07838594 A 20070920**

Priority

- US 2007020418 W 20070920
- US 84606706 P 20060920

Abstract (en)

[origin: WO2008036375A2] The present invention provides methods of multi-dimensional profiling of biologically active agents and determining their effects on biological systems. The methods of the present invention include real-time impedance monitoring of cellular responses to biologically active agents and categorization of cellular kinetic profiles into mechanism specific cellular response profile groups. The grouping of similar cellular response profiles allows the correlation between agent and mechanism, thus allowing for the identification of potential therapeutic applications of agents or further study of cellular responses or mechanisms.

IPC 8 full level

**G06F 19/00** (2006.01); **G06F 19/24** (2011.01); **G16B 40/30** (2019.01)

CPC (source: EP US)

**G01N 33/5005** (2013.01 - EP); **G01N 33/54373** (2013.01 - EP); **G01N 33/5438** (2013.01 - EP); **G16B 40/00** (2019.01 - EP); **G16B 40/30** (2019.01 - EP US)

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 MT NL PL PT RO SE SI SK TR

Designated extension state (EPC)

AL BA HR MK RS

DOCDB simple family (publication)

**WO 2008036375 A2 20080327**; **WO 2008036375 A3 20081016**; EP 2064644 A2 20090603; EP 2064644 A4 20101229

DOCDB simple family (application)

**US 2007020418 W 20070920**; EP 07838594 A 20070920