

Title (en)

MULTIPLEXED IMAGING OF TISSUE SAMPLES BY MASS CYTOMETRY WITH SUBCELLULAR RESOLUTION

Title (de)

MULTIPLEXIERTE BILDGEBUNG VON GEWEBEPROBEN MITTELS MASSENZYTOMETRIE MIT SUBZELULÄRER AUFLÖSUNG

Title (fr)

IMAGERIE MULTIPLEXÉE D'ÉCHANTILLONS DE TISSU PAR CYTOMÉTRIE DE MASSE AVEC UNE RÉOLUTION SUBCELLULAIRE

Publication

EP 3111464 A1 20170104 (EN)

Application

EP 15708169 A 20150227

Priority

- GB 201403625 A 20140228
- EP 2015054196 W 20150227

Abstract (en)

[origin: WO2015128490A1] The inventors have adapted Laser Ablation Inductively Coupled Plasma Mass Spectrometry (LA-ICP-MS) so that it is suitable for single-cell imaging in tissue samples with subcellular resolution. The laser spot size may be 4 µm or less. A time-of-flight mass analyser may be used. The tissue sample may be labelled with four or more rare earth metals.

IPC 8 full level

H01J 49/00 (2006.01); **G01N 33/532** (2006.01); **H01J 49/10** (2006.01); **H01J 49/40** (2006.01)

CPC (source: CN EP)

G01N 33/60 (2013.01 - CN EP); **H01J 49/0004** (2013.01 - CN EP); **H01J 49/105** (2013.01 - CN EP); **H01J 49/40** (2013.01 - CN EP)

Citation (search report)

See references of WO 2015128490A1

Designated contracting state (EPC)

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Designated extension state (EPC)

BA ME

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WO 2015128490 A1 20150903; CA 2940553 A1 20150903; CN 106133524 A 20161116; EP 3111464 A1 20170104; GB 201403625 D0 20140416; JP 2017512985 A 20170525

DOCDB simple family (application)

EP 2015054196 W 20150227; CA 2940553 A 20150227; CN 201580018145 A 20150227; EP 15708169 A 20150227; GB 201403625 A 20140228; JP 2016554398 A 20150227