Title (en)

PROCESS FOR THE QUANTITATIVE DETERMINATION OF THE COPIER NUMBER OF A PREDETERMINED SEQUENCE IN A SAMPLE

Title (de)

VERFAHREN ZUR QUANTITATIVEN BESTIMMUNG DER KOPIENZAHL EINER VORBESTIMMTEN SEQUENZ IN EINER PROBE

Title (fr)

PROCÉDÉ POUR DÉTERMINER QUANTITATIVEMENT LE NOMBRE DE COPIES D UNE SÉQUENCE PRÉDÉTERMINÉE DANS UN ÉCHANTILLON

Publication

EP 2315854 A1 20110504 (DE)

Application

EP 09733308 A 20090415

Priority

- EP 2009002759 W 20090415
- DE 102008019132 A 20080416

Abstract (en)

[origin: WO2009127408A1] A process for the quantitative determination of the number of at least one predetermined sequence in a biological sample comprises the steps: a) providing a biological sample which contains a nucleic acid, b) fragmenting the nucleic acid present in the biological sample, c) dividing the sample obtained in step b) into at least two subsamples, d) adding in each case at least two primer pairs to each of the at least two subsamples, where in each case the same primer pairs are added to each of the subsamples and where the individual primer pairs are adapted to amplify, in one amplification reaction, in each case different part-sequences of the at least one predetermined sequence, e) carrying out an amplification reaction with each of the at least two subsamples obtained in step d), f) determining the number of different amplificates obtained by the amplification reactions in step e) for the individual subsamples, and determining the number of subsamples with which in each case identical amplificates have been obtained.

IPC 8 full level

C12Q 1/68 (2006.01)

CPC (source: EP US)

C12Q 1/6851 (2013.01 - EP US)

Citation (search report)

See references of WO 2009127408A1

Designated contracting state (EPC)

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 SE SI SK TR

Designated extension state (EPC)

AL BA RS

DOCDB simple family (publication)

DE 102008019132 A1 20091022; EP 2315854 A1 20110504; US 2011262923 A1 20111027; WO 2009127408 A1 20091022

DOCDB simple family (application)

DE 102008019132 A 20080416; EP 09733308 A 20090415; EP 2009002759 W 20090415; US 200913124372 A 20090415