

Title (en)

METHODS AND APPARATUS FOR FAST IDENTIFICATION OF RELEVANT FEATURES FOR CLASSIFICATION OR REGRESSION

Title (de)

VERFAHREN UND VORRICHTUNG ZUR SCHNELLEN IDENTIFIZIERUNG VON RELEVANTEN MERKMALEN ZUR KLASSIFIZIERUNG ODER REGRESSION

Title (fr)

MÉTHODES ET APPAREILS POUR L'IDENTIFICATION RAPIDE DE CARACTÈRES APPROPRIÉS POUR LA CLASSIFICATION OU LA RÉGRESSION

Publication

EP 2756451 B8 20210414 (EN)

Application

EP 11804784 A 20110912

Priority

IB 2011002726 W 20110912

Abstract (en)

[origin: WO2013038224A1] In various embodiments, methods and apparatus are provided for automated selection of features of cells useful for classifying cell phenotype. The methods include determining a signal-to-noise ratio (S/N) for each of a plurality of pairs of features, rather than S/N for individual features. The approach is capable of quickly identifying a small set of features of imaged cells that are most relevant for classification of a desired cell phenotype from among a very large number of features. The small group of relevant features can then be used to more efficiently and more accurately classify phenotype of unidentified cells.

IPC 8 full level

G06K 9/00 (2006.01)

CPC (source: EP)

G06V 20/698 (2022.01)

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

DOCDB simple family (publication)

WO 2013038224 A1 20130321; DK 2756451 T3 20201116; EP 2756451 A1 20140723; EP 2756451 B1 20201021; EP 2756451 B8 20210414

DOCDB simple family (application)

IB 2011002726 W 20110912; DK 11804784 T 20110912; EP 11804784 A 20110912