

Title (en)

SYSTEMS, METHODS, AND DEVICES FOR ANALYSIS OF GENETIC MATERIAL

Title (de)

SYSTEME, VERFAHREN UND VORRICHTUNGEN ZUR ANALYSE VON GENETISCHEM MATERIAL

Title (fr)

SYSTÈMES, PROCÉDÉS ET DISPOSITIFS POUR UNE ANALYSE DE MATÉRIEL GÉNÉTIQUE

Publication

EP 3566050 A1 20191113 (EN)

Application

EP 18736154 A 20180104

Priority

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- IB 2018050053 W 20180104

Abstract (en)

[origin: WO2018127821A1] A representation of a nucleic acid sequence encodes a particular gene having at least one intron. An intron signature value corresponding to the at least one intron is determined based on a first computational function applied to at least one portion of the representation of the nucleic acid sequence corresponding to the at least one intron. A protein signature value is determined, being based on a second computational function applied to a representation of a protein. In a database, an association is formed between the intron and protein signature values. This process is repeated for each of a plurality of nucleic acid sequences. Nucleic acid sequences in the database are ordered based on a sort of corresponding intron signature values. An ordering determined by the sort is used to determine or confirm a role or function of a portion of a given nucleic acid sequence.

IPC 8 full level

G01N 33/48 (2006.01); **G16B 20/00** (2019.01)

CPC (source: EP IL US)

C12Q 1/6825 (2013.01 - IL); **G16B 20/00** (2019.02 - EP IL US); **G16B 30/00** (2019.02 - IL); **G16B 50/00** (2019.02 - IL)

Designated contracting state (EPC)

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BA ME

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