

Title (en)

METHODS AND PRODUCTS FOR PEPTIDE-BASED DNA SEQUENCE CHARACTERIZATION AND ANALYSIS

Title (de)

VERFAHREN UND PRODUKTE FÜR AUF PEPTIDEN BASIERENDE CHARAKTERISIERUNG UND ANALYSE VON DNS-SEQUENZEN

Title (fr)

PROCEDES ET PRODUITS POUR LA CARACTERISATION ET L'ANALYSE DES SEQUENCES D'ADN PEPTIDIQUE

Publication

**EP 1151296 A4 20050126 (EN)**

Application

**EP 99968909 A 19991216**

Priority

- US 9930104 W 19991216
- US 11235198 P 19981216

Abstract (en)

[origin: WO0036414A1] A nucleic acid fragment of interest is incorporated into a hybrid artificial gene and expressed in one or more reading frames to produce one or more hybrid polypeptides. The polypeptides are examined with respect to one or more physical parameters, such as mass or amino acid composition. The observed parameter values are used to search a data set of predicted parameter values generated by hypothetical translation of a larger reference nucleic acid sequence so as to determine whether or not the fragment is contained within the reference sequence, and, if it is contained therein, to determine its sequence and/or coding capacity.

IPC 1-7

**G01N 33/48**; **C12Q 1/68**; **C12P 21/06**; **C12N 15/09**

IPC 8 full level

**G16B 30/00** (2019.01); **C12Q 1/68** (2018.01); **C12Q 1/6869** (2018.01)

CPC (source: EP US)

**C12Q 1/68** (2013.01 - EP); **C12Q 1/6869** (2013.01 - EP); **G16B 30/00** (2019.01 - EP US)

Citation (search report)

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- See references of WO 0036414A1

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DOCDB simple family (application)

**US 9930104 W 19991216**; AU 2710700 A 19991216; CA 2355134 A 19991216; EP 99968909 A 19991216