

Title (en)

COMPUTER SYSTEM STORING AND ANALYZING MICROBIOLOGICAL DATA

Title (de)

COMPUTERSYSTEM ZUM SPEICHERN UND ANALYSIEREN VON MIKROBIOLOGISCHEN DATEN

Title (fr)

MEMORISATION ET ANALYSE INFORMATIQUES DE DONNEES MICROBIOLOGIQUES

Publication

EP 0805874 A4 19980520 (EN)

Application

EP 95935663 A 19950906

Priority

- US 9512429 W 19950906
- US 9501160 W 19950127

Abstract (en)

[origin: WO9623078A1] A relational database (1) for the storage of microbiological information. The database contains cDNA sequencing data (290, 300) and corresponding match logs (510, 515) indicating a correlation between presently identified cDNA sequences and previously known sequences. In addition, a variety of the tables that make up the database are used to store historical data related to the identification of a particular cDNA sequence. Such tables include biological source data (130); cell culture and treatment data (140); mRNA preparation data (150); cDNA construction data (170); and clone preparation data. The clone preparation data further includes tables containing data relevant to inoculation (200), preparation (210), excision (190), and a fluorometer (220, 230, 240). The interrelated information in the database allows various queries to be used to extract data for scientific analysis and other applications. For example an abundance analysis may be performed by using the database of the preferred embodiment to determine the frequency a particular RNA transcript appears in a certain source tissue.

IPC 1-7

C12Q 1/68; **G06F 17/30**

IPC 8 full level

G06F 17/30 (2006.01); **G16B 50/30** (2019.01); **G16B 50/10** (2019.01)

CPC (source: EP US)

G16B 50/00 (2019.01 - EP); **G16B 50/30** (2019.01 - EP US); **G16B 50/10** (2019.01 - EP US)

Citation (search report)

- [A] EP 0530009 A2 19930303 - ICI PLC [GB]
- [A] EP 0582755 A1 19940216 - SOFT GENE ENTWICKLGS U VERTRIE [DE]
- [X] RITTER O ET AL: "PROTOTYPE IMPLEMENTATION OF THE INTEGRATED GENOMIC DATABASE", COMPUTERS AND BIOMEDICAL RESEARCH, vol. 27, April 1994 (1994-04-01), pages 97 - 115, XP002039573
- See references of WO 9623078A1

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