

Title (en)

METHOD AND APPARATUS FOR BIOMATHEMATICAL PATTERN RECOGNITION

Title (de)

VERFAHREN UND VORRICHTUNG ZUR BIOMATHEMATISCHEN MUSTERERKENNUNG

Title (fr)

PROCEDE ET APPAREIL DESTINES A LA RECONNAISSANCE DES MOTIFS BIOMATHEMATIQUES

Publication

**EP 1327223 A1 20030716 (EN)**

Application

**EP 00957666 A 20000822**

Priority

US 0023015 W 20000822

Abstract (en)

[origin: WO0217218A1] In an analysis of a set of discrete multidimensional data which can be represented in an array with a topology, where the array that can be mapped to an image space of discrete elements, such as digitized image data, seismic data and audio data, genotype/phenotype classifications are imposed on the topology, and then molecular biological-like processes (annealing, fragmentation (B-G, AA), chromatographic separation, fingerprinting, footprinting and filtering) are imposed upon that topology to perceive classifiable regions such as edges. More specifically, an image feature probe (AC) constructed of strings of contiguous image fragments of the class of N-grams called linear N-grams, anneals genotypes of topological features by complementary biological-like techniques (AC) in the same manner that complex biological systems are analyzed by genetic mapping, sequencing and cloning techniques.

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