

Title (en)

A METHOD OF COMPARING THE CLOSENESS OF A TARGET TREE TO OTHER TREES USING NOISY SUBSEQUENCE TREE PROCESSING

Title (de)

VERFAHREN ZUM VERGLEICH DER ÄHNLICHKEIT EINES ZIELBAUMS ZU ANDEREN BÄUMEN UNTER VERWENDUNG VON
BAUMVERARBEITUNG MIT GESTÖRTEN TEILREIHEN

Title (fr)

METHODE DE COMPARAISON DE LA PROXIMITÉ D'UNE ARBORESCENCE CIBLE VIS À VIS D'AUTRES ARBORESCENCES PAR
TRAITEMENT D'ARBORESCENCE DE SOUS-SEQUENCE DE BRUIT

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Application

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Abstract (en)

[origin: WO0126044A1] The present invention provides a method of comparing the closeness of a target tree to other trees located in a database of trees, said method comprising the steps of: (a) calculating a constraint in respect of each tree in the database based on an estimated number of edit operations and a characteristic of the target tree; (b) calculating a constrained tree edit distance between the target tree and each tree in the database using the constraint obtained in step (a); and (c) comparing the calculated constrained tree edit distances. The method of this invention can also be applied to matching a target tree representable structure to its closest tree representable structure.

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