

Title (en)

DEVICE AND METHOD FOR SEMANTIC ANALYSIS OF DOCUMENTS BY CONSTRUCTION OF N-ARY SEMANTIC TREES

Title (de)

VORRICHTUNG UND VERFAHREN ZUR SEMANTISCHEN ANALYSE VON DOKUMENTEN DURCH KONSTRUKTION N-FACHER SEMANTISCHER BÄUME

Title (fr)

DISPOSITIF ET PROCEDE D'ANALYSE SEMANTIQUE DE DOCUMENTS PAR CONSTITUTION D'ARBRES N-AIRE ET SEMANTIQUE

Publication

**EP 1880314 A1 20080123 (FR)**

Application

**EP 06764601 A 20060511**

Priority

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Abstract (en)

[origin: WO2006120352A1] The invention relates to a device (D), for the semantic analysis of documents, comprising a structural and semantic database (BD) and a document interpreter (ID) comprising i) an N-ary tree controller (GAN) for the construction of a structural N-ary tree from a decomposition of a document for analysis and an ordered sequence of verbal entities and structural and/or semantic constraints, said structural N-ary tree comprising a root node for a primary controlling verbal entity and structures formed from a subordinate secondary verbal entity related directly or indirectly to the root node by a link provided with at least one connecting characteristic, a secondary subordinate verbal entity being able to itself become a controlling verbal entity and ii) a semantic tree controller (GAS) for determination of entities characterising object and activity types from the N-ary structural tree and the database (BD), activated by certain nodes of the N-ary tree in order to construct a semantic tree provided with principal nodes made up of categorizing entities for objects and activities and connected by semantic relationships from connectional characteristics of the N-ary tree and to which function attributes are associated for the functions of other nodes of the N-ary tree and the corresponding links thereof.

IPC 8 full level

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**G06F 40/205** (2020.01 - EP US); **G06F 40/30** (2020.01 - EP US)

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