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(71) Applicant *(for all designated States except US)*: INTERNATIONAL BUSINESS MACHINES CORPORATION [US/US]; New Orchard Road, Armonk, NY 10504 (US).

(72) Inventors; and
(75) Inventors/Applicants *(for US only)*: BINNIG, Gerd, K. [DE/CH]; Felsenstrasse 72, CH–8832 Wollerau (CH). BLÖCHL, Peter [AT/CH]; Buechelring 13, CH–8134 Adliswil (CH). KLENK, Jürgen [DE/CH]; Tobelhof 7, CH–8134 Adliswil (CH).

(74) Agent: HEUSCH, Christian; International Business Machines Corporation, Säumerstrasse 4, CH–8803 Rüschlikon (CH).

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(57) Abstract

Scheme for the automated apprehension of textual information conveyed in an input string. The input string is segmented to generate segments and/or semantical units. The following steps are repeated for each segment in the input string until a subset for each segment in said input string is identified: a) identifying a matching semantical unit in a fractal hierarchical knowledge database of semantical units and pointers, said matching semantical units being deemed to be related to a segment of said input string; b) determining the fitness of said matching semantical unit by taking into consideration said semantical unit's associations; c) defining a subset of information related to said matching semantical unit within said fractal hierarchical knowledge database. Then these subsets are combined to form a resulting semantic network.