

ABSTRACT:

Method for automatically restoring consistency in a hierarchical object structure in a computer after a user interaction, and computer comprising such a system for automatic consistency restoration.

A reproduction structure in a computer is based on a hierarchical structure of consistency-relations between objects. As a function of one or more objects of a given hierarchical level, each relation specifies one or more incremental objects at a next-higher level. Variable incremental objects are situated at the lowest level. After a
5 user interaction, modifying one or more variable incremental objects, the consistency is restored as follows. First a set of value inconsistencies is signalled for the incremental objects during a bottom-up signalling step. Subsequently, on the basis of each element of said set during a top-down updating step the value of the hierarchically higher object is updated on the basis of a change of value, if any, of associated, specifying variable
10 incremental objects and/or incremental objects.

Fig. 6.

This Sheet Has Been Replaced

