

hydrogen peroxide in the solution lies between 0.001 to 30 weight%.

[0036] In an embodiment of the second aspect of this invention, the method as recited in second aspect of the invention is disclosed in which the amount of the complexing agent lies between 0.1 and 1000 ppm of said solution.

[0037] In an embodiment of the second aspect of this invention, the method as recited in second aspect of the invention is disclosed wherein the amount of the alkaline compound lies between 0.001 and 30 weight%.

In a third aspect of the invention, there is provided use of a composition according to the first aspect in the field of soil remediation, metal etch bath, denture bleaching, bleaching of fats, oils, waxes, wastewater treatment, paper pulp bleaching, textile bleaching.

Detailed description of the invention

[0038] In relation to the appended drawings the present invention is described in detail in the sequel. It is apparent however that a person skilled in the art can imagine several other equivalent embodiments or other ways of executing the present invention.

[0039] In an aspect of this invention, said composition comprises an oxidizing compound and a complexing compound. Said oxidizing compound can be in the form of an aqueous solution.

[0040] Said complexing agent can have a chemical formula as given in figure 1. R_1 , R_2 , R_3 and R_4 are independantly selected from the group comprising hydrogen (H) or any organic group. R_1 , R_2 , R_3 , or R_4 can have a different chemical structure. For the purpose of this invention, said complexing agent as mentioned above is generally referred to as pyridinone.

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[0041] Said organic group can be every possible sequence of C, N, O or S atoms linked to each other by single, double or triple bonds such that the complexing properties of the final complexing agent are assured. Said organic group can be selected from the group comprising