

Title (en)

Use of oxidized humic acid its salts and derivatives in hard surface cleaning compositions

Title (de)

Verwendung von oxidierte Huminsäure oder deren Salze und Derivate in Reinigungszusammensetzungen für harte Oberflächen

Title (fr)

Utilisation des produits d'oxydation de l'acide humique, des sels et derives, dans des compositions de nettoyage de surfaces dures

Publication

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Application

**EP 14001601 A 20140507**

Priority

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Abstract (en)

The present invention relates to the field of hard surface compositions. In particular this invention relates to the use of oxidized humic acid compounds, its salts and derivatives or its mixtures, in hard surface cleaning compositions. This effective builder is useful for enhancement of cleaning capacity. Cleaning compositions of the present invention are prepared by using oxidized humic acid ,its salts and derivatives or mixtures thereof and used for cleaning purposes glass, metal, plastic, ceramic, stone, tile, floor, sink, wash basin, toilet bowl, bathtub, bathroom, kitchen bench, building facade and similar surfaces.

IPC 8 full level

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Citation (applicant)

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- US 5201930 A 19930413 - CAMPBELL WILLIAM E [US]
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Citation (search report)

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- [I] ALLARD ET AL: "Oxidation of humic acids from an agricultural soil and a lignite deposit: Analysis of lipophilic and hydrophilic products", ORGANIC GEOCHEMISTRY, PERGAMON, AMSTERDAM, NL, vol. 38, no. 12, 14 November 2007 (2007-11-14), pages 2036 - 2057, XP022344502, ISSN: 0146-6380, DOI: 10.1016/J.ORGGEOCHEM.2007.08.005

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