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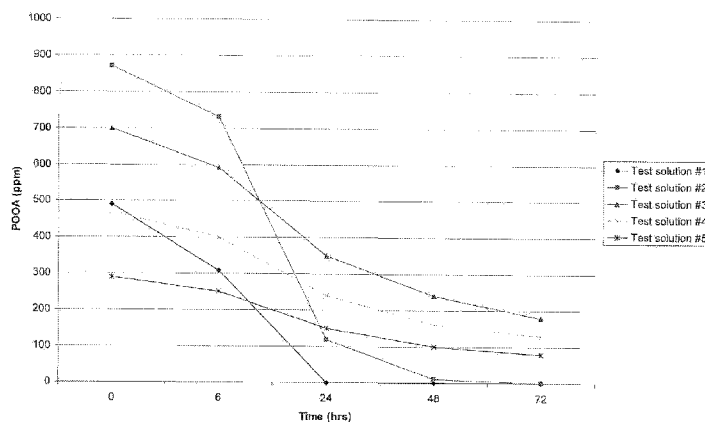
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(54) Title: SULFOPEROXYCARBOXYLIC ACIDS, THEIR PREPARATION AND METHODS OF USE AS BLEACHING AND ANTIMICROBIAL AGENTS

Figure 1



(57) Abstract: The present invention relates to novel sulfoperoxycarboxylic acid compounds, and methods for making and using them. The sulfoperoxycarboxylic compounds of the invention are storage stable, water soluble and have low to no odor. Further, the compounds of the present invention can be formed from non-petroleum based renewable materials. The compounds of the present invention can be used as antimicrobials, and bleaching agents. The compounds of the present invention are also suitable for use as coupling agents.

A. CLASSIFICATION OF SUBJECT MATTER*C07C 409/42(2006.01)i, C07D 303/34(2006.01)i, A01N 41/04(2006.01)i, C11D 3/395(2006.01)i*

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

C07C 409/42; C07C 309/08; C11D 3/395; A01N 37/16; C07C 409/28; C07C 409/38; C07C 179/133; C07C 309/12; C07C 409/24

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Korean utility models and applications for utility models

Japanese utility models and applications for utility models

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

eKOMPASS(KIPO internal) & GOOGLE SCHOLAR

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
PX	WO 2009-118714 A2 (ECOLAB INC. et al.) 01 October 2009 See the abstract; Formula I; table 1; examples; and claims 1-88	1-85
A	US 5004558 A (DYROFF, DAVID R. et al.) 02 April 1991 See abstract; formula I; examples 1-14; claims 1-48	1-85
A	WO 02-088076 A2 (ECOLAB INC.) 07 November 2002 See abstract; page 9, formula; claims 1-29	1-85
A	US 5117049 A (VENTURELLO, CARLO et al.) 26 May 1992 See abstract; formula (I); examples 1-3; claims 1-6	1-85
A	US 5268003 A (COOPE, JANET L. et al.) 07 December 1993 See abstract; formula (I); examples 1-13; claims 1-17	1-85



Further documents are listed in the continuation of Box C.



See patent family annex.

* Special categories of cited documents:

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