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(54) Title: ANTIMICROBIAL FORMULATION

(57) Abstract: An anti-microbial composition for treating animal feed, comprising: 1 to 90 wt.%, based on the total weight, of a C₁ to C₂₄ organic acid, 1 to 90 wt.%, based on the total weight, of trans-2-hexenal provided it constitutes at least 5 wt.% of the organic acid and aldehyde mixture, 0 to 50 wt.% based on the total weight of terpenes, 0 to 20 wt.% based on the total weight of a surfactant, and water.



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INTERNATIONAL SEARCH REPORT

International application No.
PCT/US2011/047693**A. CLASSIFICATION OF SUBJECT MATTER*****A23K 1/17(2006.01)i, A23K 1/16(2006.01)i, A01N 61/00(2006.01)i, A01P 1/00(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)

A23K 1/17; A23L 1/00; D06L 1/00; C11D 1/72; C11D 9/42; C11D 17/00

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) & Keywords: antimicrobial, organic acid, α , β -unsaturated aliphatic aldehyde, terpene, surfactant**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	EP 0991327 B1 (THE PROCTER & GAMBLE COMPANY) 01 December 2004 See paragraphs [0046]–[0048], [0086], [0087], and [0123].	1–20
Y	US 6596681 B1 (MAHIEU, M. et al.) 22 July 2003 See column 2, line 1 – column 3, line 47.	1–20
A	EP 0266199 A2 (UNILEVER PLC et al.) 04 May 1988 See the whole document.	1–20
A	US 2009-0249557 A1 (MAKI, M. et al.) 08 October 2009 See the whole document.	1–20

☐ Further documents are listed in the continuation of Box C.☒ See patent family annex.

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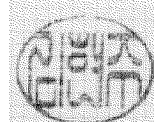
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Information on patent family members

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