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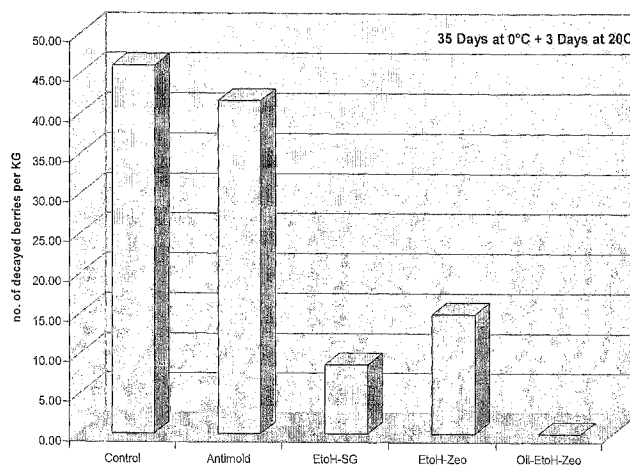


Figure 5

Control: Commercial Modified Atmosphere Packaging bags
 Antimold®: Ethanol based commercial treatment - product of Freund Corporation of Japan
 EtoH-SG: Ethanol-Silica gel compound - no essential oil
 EtoH-Zeo: Ethanol-zeolite compound - no essential oil
 Oil-EtoH-Zeo: Essential oil-ethanol-zeolite composition according to the invention

(57) Abstract: Active materials employing a composition containing essential oils adsorbed in combination with a solvent within a micro-porous solid material have been developed. The subsequent controlled release of essential oil vapour provides numerous applications including anti-microbial properties and extension of shelf life to packaged perishable goods. The active material may be presented in the form of a polymeric or natural fibre substrate coated or printed with the composition or in the form of granules or tablets optionally contained within a porous sachet.

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INTERNATIONAL SEARCH REPORT

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A. CLASSIFICATION OF SUBJECT MATTER
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B. FIELDS SEARCHED

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

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C. DOCUMENTS CONSIDERED TO BE RELEVANT

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