

Title (en)
OXYGEN SCAVENGING SYSTEM

Title (de)
SAUERSTOFFABFANGSYSTEM

Title (fr)
SYSTEME DE PIEGEAGE D'OXYGENE

Publication
EP 1551756 A1 20050713 (EN)

Application
EP 03737142 A 20030617

Priority
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Abstract (en)
[origin: WO03106333A1] The oxygen scavenging system of the subject invention contemplates a composition, system and appurtenant methodology for substantially eliminating elemental oxygen from packaged oxygen sensitive products. The composition or scavenging agent includes an oxidoreductase enzyme, a suitable energy source or substrate for the enzyme, and a buffer. The composition binds oxygen when exposed to moisture, thereby reducing the level of oxygen in a closed (e.g., sealed) space such as a food package or the like. More particularly and preferably, the composition includes glucose oxidase in an amount of between 1 and 100 activity units (U) per gram, catalase in an amount of between 1 and 300 activity units (U) per gram, dextrose in an amount of between about 20 and 99 percent by weight, and sodium bicarbonate in an amount of between about 1 and 80 percent by weight.

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C01B 11/00; **C12N 9/00**; **B29D 22/00**

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Citation (search report)
See references of WO 03106333A1

Cited by
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