

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  
• US 0319029 W 20030617  
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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.

IPC 1-7  
**C01B 11/00**; **C12N 9/00**; **B29D 22/00**

IPC 8 full level  
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Citation (search report)  
See references of WO 03106333A1

Cited by  
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