

Title (en)
TRANSPARENT OXYGEN-SCAVENGING ARTICLE INCLUDING BIAXIALLY-ORIENTED POLYESTER

Title (de)
TRANSPARENTER, SAUERSTOFFABFANGENDER GEGENSTAND, DER EINEN BIAXIAL ORIENTIERTEN POLYESTER BEINHALTET

Title (fr)
ARTICLE DESOXYGENANT TRANSPARENT COMPRENANT UN POLYESTER BIAXIALEMENT ORIENTE

Publication
EP 0934201 A1 19990811 (EN)

Application
EP 97943437 A 19970924

Priority

- US 9716826 W 19970924
- US 71954396 A 19960925
- US 71962296 A 19960925

Abstract (en)
[origin: WO9813266A1] A transparent oxygen-scavenging article for packaging oxygen-sensitive products, such as beer, juice, ketchup, etc. The oxygen-scavenging article includes a biaxially-oriented <u>aromatic</u> polyester polymers such as polyethylene terephthalate (PET) or polyethylene naphthalate (PEN), and an oxygen-scavenging aromatic ester polymer compatible with the polyester polymer. The oxygen-scavenging polymer includes aromatic groups and alpha-hydrogen carbonyl groups of formula (I). Examples are polyesters from succinic, glutaric, adipic or suberic acid with hydroquinone, bisphenol A, styrene oxide or distyrene glycol or an aliphatic dicarboxylic acid containing copolyethylene naphthalate. Both polymers could form a copolymer, a blend or preferably different layers of the article. The oxygen-scavenging polymer may be incorporated into a barrier package at a competitive price, and provide the desired properties of transparency, thermal resistance, and pressurized strength.

IPC 1-7
B65D 1/00; **B65D 81/24**; **B32B 27/36**; **C08G 63/18**; **C08L 67/02**

IPC 8 full level
B32B 27/36 (2006.01); **B65D 81/24** (2006.01); **C08G 63/672** (2006.01); **C08J 5/18** (2006.01); **C08L 67/02** (2006.01); **B65D 1/00** (2006.01)

CPC (source: EP US)
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C-Set (source: EP)
C08L 67/02 + **C08L 2666/18**

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