

Title (en)

OXYGEN ABSORBENT FILMS AND STRUCTURES COMPRISING SAME

Title (de)

SAUERSTOFFABSORBIERENDE FOLIEN UND STRUKTUREN, DIE DIESE FOLIEN ENTHALTEN

Title (fr)

FILMS ABSORBEURS D'OXYGENE ET STRUCTURES COMPRENANT CES FILMS

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Application

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Abstract (en)

[origin: WO0188023A1] The invention concerns a film comprising ethylene copolymers and an unsaturated epoxy and comprising quinones and carboxylic acids grafted on said polymers. The grafted acids supply hydroxyl functions, proton donors, enabling transformation of the quinones into hydroquinones. The quinones are reduced (activation) into hydroquinones to become oxygen absorbents. The invention also concerns structures comprising at least an oxygen-barrier film and at least said film. The invention further concerns a package comprising said structure and wherein, starting from inside the package outwards, there are first the oxygen absorbent film and then the oxygen barrier film.

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