Title (en)
Use of polyelectrolyte complexes for the production of polymer films with oxygen barrier properties

Title (de)
Verwendung von Polyelektrolytkomplexen zur Herstellung von Polymerfolien mit Sauerstoffbarriereeigenschaften

Title (fr)
Utilisation de complexes de polyélectrolytes pour la fabrication de films polymères ayant des propriétés de barrière à l'oxygène

Publication
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Application
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Abstract (en)
[origin: WO2011023587A2] The invention relates to the use of polyelectrolyte complexes in order to provide an oxygen barrier for packaging materials made of polymer films. Polymer construction components of the polyelectrolyte complex are applied to the polymer film in a polymerized form. The polymer film is coated either with an aqueous dispersion comprising a dispersed polyelectrolyte complex and produced through water-in-water emulsion polymerization, or with a composition comprising a polyelectrolyte complex produced from an anionic polymer and cationic tenside, or the polymer film is coated with at least three alternating layers, wherein one each of two adjacent layers comprises an anionic polyelectrolyte construction component and the other of the two adjacent layers comprises a cationic polyelectrolyte construction component, and polyelectrolyte complexes form on the mutually adjacent boundaries of the alternating layers.

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- CN 1857918 A 20061108 - UNIV ZHEJIANG [CN]
- US 6524569 B1 20030225 - STRATFORD PETER WILLIAM [GB], et al

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