

Title (en)

Method of removing mold from plastic bottles and mold removing additive

Title (de)

Verfahren zum Entfernen von Schimmel von Kunststoffflaschen sowie Additiv zum Entfernen von Schimmel

Title (fr)

Méthode pour enlever les moisissures des bouteilles en plastiques et additif anti-moisissure

Publication

EP 0844301 A2 19980527 (EN)

Application

EP 97203528 A 19971112

Priority

US 75603496 A 19961126

Abstract (en)

Mold removal from plastic bottles such as polyester and polycarbonate bottles is significantly enhanced by adding to a typical caustic soaking solution an effective amount of a complex polyphosphate such as sodium tripolyphosphate and a surfactant. The combination of the phosphate and the surfactant significantly enhances mold removal. Mold removal can be further enhanced by combining with the phosphate and surfactant either a phosphonate and/or a chelating agent such as sodium glucoheptonate. This combination significantly improves mold removal, but does not increase stress cracking of the plastic bottle.

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C11D 3/06; **C11D 3/36**

IPC 8 full level

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CPC (source: EP)

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Cited by

US7148188B2; AU2005305095B2; US6835702B2; US11028344B2; DE102007022110A1; WO0238715A3; US6362149B1; US6838422B2; WO2004027001A1; WO2006052578A3

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