

Title (en)

A bi-functionally active packaging material for microwave food products.

Title (de)

Bifunktionelles aktives Verpackungsmaterial für Mikrowellenlebensmittelprodukte.

Title (fr)

Matière d'emballage active bifonctionnelle pour produits alimentaires pour micro-ondes.

Publication

EP 0344839 A1 19891206 (EN)

Application

EP 89201319 A 19890522

Priority

NL 8801407 A 19880601

Abstract (en)

A bi-functional laminate which in a microwave oven converts irreversibly, after a time and at a temperature controlled by the components of the laminate, from a microwave screen with absorbing properties to a microwave transparent material with much weaker absorbing properties. The said laminate is constructed from - a plastic film selected for its compatibility for food contact and for its softening temperature which determines the changeover conversion temperature; - a metal layer vacuum deposited on the plastic layer, the metal being deposited to just sufficient thickness to provide a complete screen to microwave transmission at room temperature (transmission less than 1%); - an adhesive and - a paper or paper-board supporting material of a weight selected to give the required heat-up time to the changeover conversion temperature, said supporting material being adhered to said metal layer.

IPC 1-7

H05B 6/64

IPC 8 full level

B65D 81/34 (2006.01)

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Citation (search report)

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