

Title (en)

Microwave popcorn product with serving bowl feature.

Title (de)

Popcorn-Verpackung, die zum Einsatz in einen Mikrowellenofen und als Servierschale geeignet ist.

Title (fr)

Emballage servant de plat destiné à la préparation de pop-corn dans un four à micro-ondes.

Publication

EP 0294087 A2 19881207 (EN)

Application

EP 88304722 A 19880525

Priority

US 5894487 A 19870605

Abstract (en)

Corn kernels packaged within an elongate bag (10) can be popped with microwaves and served in the bag. During popping, part of the bag's longitudinally-extending back seal opens and permits vapors to vent from the bag. After the kernels are popped, the back seal (28) is fully opened to transform the bag (10) into a serving bowl having an opening defined by the edges of bag material previously forming the back seal (28). The bag (10) is made from a laminate of two paper layers (38,40) with a susceptor (36) between the two paper layers (38,40) at a location where the bag (10) will contact the floor of the microwave oven. Alternatively, instead of using two layers of paper, a single layer of paper surrounding a layer of polymeric barrier material can be employed. The back seal (28) is formed from side edges of a web (30,32) of the laminate either by bonding the inner layers of the web edges together or by bonding the inner layer of one web edge to the outer layer of the other web edge. If the innermost layer of the bag is made of a polymeric barrier material, the back seal can be formed by pressing the web edges together under heat and pressure. If the innermost layer is paper, an adhesive must be applied to the web edges before they are pressed together, usually at elevated temperatures. A method of preparing the package of corn kernels is also disclosed.

IPC 1-7

B65D 81/34

IPC 8 full level

B65D 33/22 (2006.01); **A23L 1/18** (2006.01); **B65D 81/34** (2006.01); **B65D 85/60** (2006.01)

CPC (source: EP)

B65D 81/3469 (2013.01); **B65D 2205/00** (2013.01); **B65D 2581/3421** (2013.01); **B65D 2581/3494** (2013.01)

Cited by

US6306448B1; CN111685156A; US5441345A; US5110005A; EP0431292A3; AU2006325805B2; EP1960281A4; US5741208A; US5746862A; GB2374857A; GB2374857B; US6060095A; US5098364A; EP0429604A4; CN103863672A; US6066346A; AU749483B2; CN1113027C; EP1262420A1; GB2337977A; GB2337977B; GB2379647A; GB2379647B; EP2644526A1; US10926937B1; US7709069B2; US6818873B2; US6746700B1; WO9920542A1; WO0105678A1; WO9919233A1; US6951999B2; US6733807B2; US6660983B2; WO0061456A2

Designated contracting state (EPC)

AT BE CH DE ES FR GB GR IT LI LU NL SE

DOCDB simple family (publication)

EP 0294087 A2 19881207; **EP 0294087 A3 19890607**; AU 1739188 A 19881208; DK 304988 A 19881206; DK 304988 D0 19880603; JP S63317464 A 19881226; NO 882443 D0 19880603; NO 882443 L 19881206

DOCDB simple family (application)

EP 88304722 A 19880525; AU 1739188 A 19880603; DK 304988 A 19880603; JP 13824688 A 19880603; NO 882443 A 19880603