

Title (en)

PACKAGING TO ENHANCE SHELF LIFE OF FOODS

Title (de)

VERPACKUNG ZUM VERLÄNGERN DER HALTBARKEIT VON NAHRUNGSMITTELN

Title (fr)

EMBALLAGE POUR AUGMENTER LA DUREE DE STOCKAGE D'ALIMENTS

Publication

EP 1175340 B1 20030212 (EN)

Application

EP 00949832 A 20000425

Priority

- IB 0000617 W 20000425
- US 13190299 P 19990430

Abstract (en)

[origin: WO0066432A2] The invention herein provides a method for packaging fresh food, particularly fresh red meat and poultry, to enhance or increase the refrigerated shelf life of such foods. The method comprises enclosing the fresh food within a film structure having a food contact layer and maintaining the environment at 0 DEG C to 8 DEG C. The food contact layer comprises an ionomer, acid copolymer or blends thereof. The package is vacuum sealed, and heated to shrink the film structure or effect a secondary seal for a minimal time and at a minimal temperature. The film structure preferably was made by an extrusion blown process employing a blow-up ratio (BUR) in the range of 3 to 7 and has an oxygen transmission rate in the range of 1500 to 9000 cc/m<2>-day-atm for a 40-55 micron film tested at 23 DEG C and 50 % relative humidity.

IPC 1-7

B65B 1/00

IPC 8 full level

B65B 25/06 (2006.01); **B29C 55/28** (2006.01); **B29C 61/06** (2006.01); **B65B 25/00** (2006.01); **B65B 31/02** (2006.01); **B65B 53/02** (2006.01); **B65D 30/02** (2006.01); **B65D 65/02** (2006.01); **B65D 65/40** (2006.01); **B65D 71/08** (2006.01); **B65D 77/04** (2006.01); **B65D 81/24** (2006.01); **B65D 85/50** (2006.01); **C08J 5/18** (2006.01); **B29K 105/02** (2006.01); **B29L 7/00** (2006.01)

CPC (source: EP)

B65B 25/00 (2013.01)

Citation (examination)

- US 4399181 A 19830816 - YOSHIMURA ISAO [JP], et al
- US 3022543 A 19620227 - BAIRD JR WILLIAM G, et al
- Wiley's Encyclopedia of Packaging Technology, 2nd Ed., (19/97), p. 527-529

Cited by

AT501597B1

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

WO 0066432 A2 20001109; WO 0066432 A3 20011004; AR 023820 A1 20020904; AU 6309100 A 20001117; AU 774119 B2 20040617; BR 0011206 A 20020305; BR 0011206 B1 20090113; DE 60001402 D1 20030320; DE 60001402 T2 20031030; DE 60001402 T3 20060824; EP 1175340 A2 20020130; EP 1175340 B1 20030212; EP 1175340 B2 20060308; JP 2003530272 A 20031014

DOCDB simple family (application)

IB 0000617 W 20000425; AR P000102088 A 20000428; AU 6309100 A 20000425; BR 0011206 A 20000425; DE 60001402 T 20000425; EP 00949832 A 20000425; JP 2000615279 A 20000425