

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
6 December 2007 (06.12.2007)

PCT

(10) International Publication Number
WO 2007/140118 A3

(51) International Patent Classification:
B32B 25/08 (2006.01)

(21) International Application Number:
PCT/US2007/069008

(22) International Filing Date: 16 May 2007 (16.05.2007)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
11/420,320 25 May 2006 (25.05.2006) US

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(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,

AT, AU, AZ, BA, BB, BG, BH, BR, BW, BY, BZ, CA, CH,
CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES,
FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN,
IS, JP, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR,
LS, LT, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX,
MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO,
RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM,
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, MT, NL, PL,
PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM,
GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Declaration under Rule 4.17:

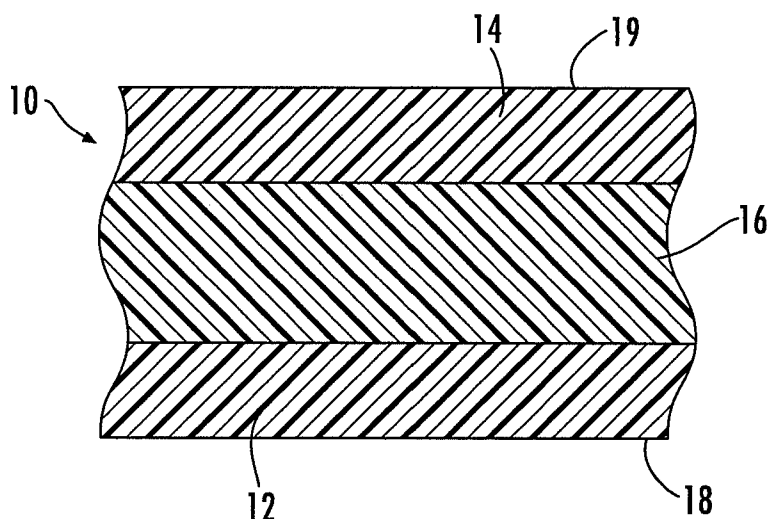
— as to applicant's entitlement to apply for and be granted a
patent (Rule 4.17(ii))

Published:

— with international search report
— before the expiration of the time limit for amending the
claims and to be republished in the event of receipt of
amendments

(88) Date of publication of the international search report:
21 February 2008

(54) Title: MULTILAYER FILM HAVING HIGH OXYGEN TRANSMISSION AND HIGH MODULUS



(57) Abstract: The invention provides a multilayer film (10) having an oxygen transmission rate of about 10,000 cc (STP) /m²/day/atm or greater at 23 °C and 0 % relative humidity, a modulus of about 15,000 psi or greater in at least one direction. The multilayer film (10) can be used for packaging a wide variety of products requiring regulation of oxygen permeability under varying packaging conditions because the multilayer film is capable of providing a relatively high OTR without sacrificing the mechanical properties that may be necessary for many packaging applications. The multilayer film (10) may include a sealant layer (12), a stiffening layer (14), and a

core layer (16) disposed between the sealant (12) and stiffening (14) layers. In one embodiment, the sealant layer (12) comprises a polyethylene having a density of less than 0.93 g/cc; the core layer (16) consists of an ethylene/alpha-olefin having a density of 0.90 g/cc or less; and the stiffening layer (14) comprises a styrene/butadiene/styrene block copolymer having a modulus of about 250,000 psi.

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INTERNATIONAL SEARCH REPORT

International application No

PCT/US2007/069008

A. CLASSIFICATION OF SUBJECT MATTER

INV. B32B25/08

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

B32B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	EP 0 641 647 A (GUNZE KK [JP]; UBE INDUSTRIES [JP]) 8 March 1995 (1995-03-08) page 2, line 29 - line 48 page 5, line 1 - line 40 page 6, line 2 - line 11 page 6, line 41 - line 45 example 1; tables 1,2 claims 1-3	1-26
X	WO 2004/078475 A (CRYOVAC INC [US]; WILBURN DANIEL S [US]; KENDRICK CLIFFORD A [US]) 16 September 2004 (2004-09-16) page 1, line 4 - line 6 tables 2,3,5 claims 1,3,11	1-26

☐ Further documents are listed in the continuation of Box C.

☒ See patent family annex.

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Date of the actual completion of the international search

27 November 2007

Date of mailing of the international search report

10/12/2007

Name and mailing address of the ISA/

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INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No

PCT/US2007/069008

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