

Base : FAMPAT**SEARCH STRATEGY****SS Results**

15	16	13 AND 14
14	38236	(VINYL ALCOHOL POLYMER OR EVOH)/TI/AB/IW/CLMS/DESC/ODES/OBJ/ADB/ICLM/KEYW/TX
13	29	12 AND PD<20141231
12	47	11 AND 3
11	66	10 AND 9
10	9861923	(RECYCL+ OR REUS+ OR RELIAB+ OR RECEIVAB+)/TI/AB/IW/CLMS/DESC/ODES/OBJ/ADB/ICLM/KEYW/TX
9	145	6 AND 8
8	968	(MALEIC 1W ANHYDRIDE GRAFTED POLYMER)/TI/AB/IW/CLMS/DESC/ODES/OBJ/ADB/ICLM/KEYW/TX
7	355055	(MALEIC 1W ANHYDRIDE)/TI/AB/IW/CLMS/DESC/ODES/OBJ/ADB/ICLM/KEYW/TX
6	67778	..SIMILARITY SS 5 RANKED 4
5	10	2 AND 3 AND 4
4	3538	(POLAR LAYER)/TI/AB/IW/CLMS/DESC/ODES/OBJ/ADB/ICLM/KEYW/TX
3	793776	(MULTI 1W LAYER)/TI/AB/IW/CLMS/DESC/ODES/OBJ/ADB/ICLM/KEYW/TX
2	7045	((POLYOLEFIN)/TI/AB/IW/CLMS/DESC/ODES/OBJ/ADB/ICLM/KEYW/TX AND (FUNCTIONAL 1W POLYMER)/TI/AB/IW/CLMS/DESC/ODES/OBJ/ADB/ICLM/KEYW/TX)
1	0	(("ETHYLENE HOMOPOLYMER" OR "ETHYLENE COPOLYMER" OR "POLYPROPYLENE COPOLYMER")/TI/AB/IW/CLMS/DESC/ODES/OBJ/ADB/ICLM/KEYW/TX AND (POLYOLEFIN)/TI/AB/IW/CLMS/DESC/ODES/OBJ/ADB/ICLM/KEYW/TX AND (FUNCTIONAL 1W POLYMER)/TI/AB/IW/CLMS/DESC/ODES/OBJ/ADB/ICLM/KEYW/TX)

16 Documents

Publication numbers	Title	Current assignees
FI9401966 A0	Deep-drawable, sealable foil of at least three layers, comprising polyamide and polyolefins, with a high proportion of recycled material	DOW WOLFF CELLULOSICS
FI9401967 A0	Deep-drawable, sealable multilayered foil comprising polyamide and polyolefin, containing a high proportion of recycled material	DOW WOLFF CELLULOSICS
CA2056987 A1	Laminar articles made from mixtures of a polyolefin and ethylene/vinyl alcohol copolymers	DU PONT DE NEMOURS
US20080281045 A1	Ethylene vinyl alcohol compositions	DU PONT DE NEMOURS
US20080241521 A1	Enclosure for protecting contents from external humidity	MULTISORB TECHNOLOGIES
WO200134389 A1	Metallized multi-layer film	EXXONMOBIL OIL
IN2010MU02254 A	Multi-layer sheet and method thereof	ESSEL
CA2826302 A1	Oxygen Scavenger System in a Polyolefin Matrix	KRAFT FOODS
WO201060020 A1	Laminar articles with good hydrocarbon barrier	DU PONT DE NEMOURS
WO200781323 A1	Laminate of thermoplastic polymer composition having low air permeability and pneumatic tire using same as inner liner	YOKOHAMA RUBBER, ...
US20080014429 A1	Reprocessed polyhydroxy amino ether coated polypropylene film	TORAY PLASTICS
US20060141241 A1	Peelable breakaway multi-layered structures and methods and compositions for making such structures	ORACLE FLEXIBLE PACKAGING
WO201216701 A1	Packaging container made of a sheet-like composite with improved adhesion-layer and inner-layer combination	SIG TECHNOLOGY
EP1840164 A1	Retortable composition	SIFMAR
JP2001055216 A	Plastic multilayer-molded container	SHOWA DENKO
WO200882915 A1	Films, articles prepared therefrom, and methods of making the same	DOW GLOBAL TECHNOLOGIES

Family 1/16 - FAMPAT - ©Questel

Title

(EP-622183)

Deep-drawable, sealable foil of at least three layers, comprising polyamide and polyolefins, with a high proportion of **recycled** material

Publication data including kind & date

FI941966	A0	1994-04-28	FI9401966			
HU9401239	D0	1994-08-29	HU9401239			
FI941966	A	1994-10-31	FI9401966			
CA2122283	A1	1994-10-31	CA2122283			
EP0622183	A2	1994-11-02	EP-622183			
DE4314212	A1	1994-11-03	DE4314212			
CZ9401052	A3	1994-11-16	CZ9401052			
KR19940023645	A	1994-11-17	KR19940023645			
EP0622183	A3	1994-11-30	EP-622183			
JPH071689	A	1995-01-06	JP07001689			
HUT68598	A	1995-06-28	HU-T68598			
HU212047	B	1996-01-29	HU-212047			
PL174131	B1	1998-06-30	PL-174131			
EP0622183	B1	1999-10-20	EP-622183			
AT185742	T	1999-11-15	ATE185742			
DE59408829	D1	1999-11-25	DE59408829			
ES2137280	T3	1999-12-16	ES2137280			
DK0622183	T3	2000-04-17	DK-622183T			
GR3032265	T3	2000-04-27	GR3032265			
PT622183	E	2000-04-28	PT-622183			
KR100292214	B1	2001-09-17	KR100292214			

Abstract

(EP-622183)

The present invention relates to multilayered, heat-sealable, **recycled** film comprising at least one scrap layer, a heat-sealable layer and an accompanying layer which is arranged either between the scrap layer and the heat-sealable layer or on the outside on the side facing away from the heat-sealable layer, where - the film is thermoformable, - the scrap layer comprises polyamide (nylon)/polyolefin **recyclate** and an adhesion promoter, where the **recyclate** content in the scrap layer is from 60 to 98% by weight and the adhesion-promoter content is from 2 to 40% by weight, - the **recyclate** has a polyamide content of from 3 to 45% by weight, and - the heat-sealable layer has a single- or multilayer structure and comprises polyolefinic polymer or copolymer, where the layers can be identical or different, - the accompanying layer comprises polyamide, polyolefin, **EVOH** and/or adhesion promoter or an adhesion-promoter mixture

Inventors

GASSE ANDREAS S DR

KLEIN RUDI

REINERS ULRICH DR

Latest standardized assignees - inventors removed

DOW WOLFF CELLULOSICS

Family 2/16 - FAMPAT - ©Questel

Title

(EP-622182)

Deep-drawable, sealable multilayered foil comprising polyamide and polyolefin, containing a high proportion of **recycled** material

Images



Publication data including kind & date

FI941967	A0	1994-04-28	FI9401967			
HU9401244	D0	1994-08-29	HU9401244			
FI941967	A	1994-10-31	FI9401967			
CA2122288	A1	1994-10-31	CA2122288			
EP0622182	A2	1994-11-02	EP-622182			
DE4314214	A1	1994-11-03	DE4314214			
CZ9401051	A3	1994-11-16	CZ9401051			
KR19940023650	A	1994-11-17	KR19940023650			
JPH06320688	A	1994-11-22	JP06320688			
EP0622182	A3	1994-11-30	EP-622182			
HUT68225	A	1995-06-28	HU-T68225			
HU211192	B	1995-11-28	HU-211192			
PL174088	B1	1998-06-30	PL-174088			
EP0622182	B1	1999-10-20	EP-622182			
AT185741	T	1999-11-15	ATE185741			
DE59408828	D1	1999-11-25	DE59408828			
ES2137279	T3	1999-12-16	ES2137279			
DK0622182	T3	2000-04-25	DK-622182T			
GR3032259	T3	2000-04-27	GR3032259			
PT622182	E	2000-04-28	PT-622182			
CZ288265	B6	2001-05-16	CZ-288265			
KR100292215	B1	2001-09-17	KR100292215			

Abstract

(EP-622182)

The present invention relates to multilayered, heat-sealable, **recycled** film comprising at least one scrap layer and a heat-

sealable layer, where - the film is thermoformable, - the scrap layer comprises polyamide (nylon)/polyolefin **recyclate** and an adhesion promoter, where the **recyclate** content in the scrap layer is from 60 to 98% by weight, - the **recyclate** has a polyamide content of from 3 to 45% by weight, and - the heat-sealable layer has a single- or multilayer structure and comprises polyolefinic polymer or copolymer, where the layers can be identical or different.

Inventors

GASSE ANDREAS S DR

KLEIN RUDI

REINERS ULRICH DR

Latest standardized assignees - inventors removed

DOW WOLFF CELLULOSICS

Family 3/16 - FAMPAT - ©Questel

Title

(EP-475997)

Laminar articles made from mixtures of a polyolefin and **ethylene/vinyl alcohol** copolymers**Images**

지방산	1	2	3	4
12 : 0	0.21	0.24	0.14	0.04
14 : 0	7.99	4.35	4.22	3.78
16 : 0	10.54	8.08	7.67	10.77
18 : 0	2.01	1.85	1.81	1.53
20 : 0	0.14	0.30	0.16	0.13
24 : 0	극소량	1.05	0.21	0.18
16 : 1	4.65	3.04	3.39	3.07
18 : 1	10.79	11.55	11.76	12.76
20 : 1	6.94	7.59	7.10	5.87
22 : 1	8.68	11.98	9.17	6.82
24 : 1	0.43	0.56	0.51	0.29
16 : 2n-4'	0.81	0.57	0.73	0.65
16 : 4n-1	0.77	0.30	0.18	0.13
18 : 2n-6	1.49	1.14	1.10	1.06
18 : 3n-6	0.09	0.09	0.07	0.06
18 : 3n-3	1.54	1.03	1.04	0.89
18 : 4n-3	3.26	1.47	1.64	1.04
20 : 2n-6	0.11	0.11	0.12	0.10
29 : 3n-6	—	—	—	—

Publication data including kind & date

CA2056987	A1	1990-11-16	CA2056987
US4971864	A	1990-11-20	US4971864
CN1047319	A	1990-11-28	CN1047319
WO9014227	A1	1990-11-29	WO9014227
BRPI9007362	A1	1990-11-29	BRPI9007362
AU5673890	A	1990-12-18	AU9056738
PL285191	A1	1991-03-11	PL90285191
PE24991	A1	1991-08-17	PE9100249
GR900100335	A	1991-10-10	GR90100335
FI915130	A0	1991-10-30	FI9105130
US5085816	A	1992-02-04	US5085816
BR9007362	A	1992-03-24	BR9007362
EP0475997	A1	1992-03-25	EP-475997



JPH04502032	A	1992-04-09	JP04502032				
EP0475997	A4	1992-07-08	EP-475997				
KR19927000917	A	1992-08-10	KR19927000917				
NZ233648	A	1992-10-28	NZ-233648				
IL94381	A	1992-12-01	IL--94381				
AU631878	B2	1992-12-10	AU-631878				
IL94381	B	1992-12-30	IL--94381				
MX167032	B	1993-02-25	MX-167032				
GR1001010	B	1993-03-31	GR1001010				
AR243802	A1	1993-09-30	AR-243802				
CN1024514	C	1994-05-18	CN1024514C				
JPH0678439	B2	1994-10-05	JP94078439				
PL165144	B1	1994-11-30	PL-165144				
EP0475997	B1	1996-03-27	EP-475997				
EG19878	A	1996-03-31	EG--19878				
AT135966	T	1996-04-15	ATE135966				
DK0475997	T3	1996-04-29	DK-475997T				
DE69026255	D1	1996-05-02	DE69026255				
DE69026255	T2	1996-09-12	DE69026255				
KR970007568	B1	1997-05-10	KR970007568				
KR100152060	D1	1998-06-24	KR100152060				
KR0152060	B1	1998-10-01	KR100152060				
BRPI9007362	B1	2000-05-30	BR199007362				
CA2056987	C	2000-10-17	CA2056987				

Abstract

(EP-475997)

A laminar article is provided, comprising a combination of a polyolefin, an **ethylene-vinyl alcohol** copolymer having a melting point at least about 5°C higher than the polyolefin, and a compatibilizer of a compatible polyolefin backbone grafted with cyclic anhydride moieties, wherein the **ethylene-vinyl alcohol** copolymer is present within the polyolefin as multiple, thin, substantially parallel, overlapping layers.

Inventors

MCCORD ELIZABETH FORRESTER

Latest standardized assignees - inventors removed

DU PONT DE NEMOURS

Family 4/16 - FAMPAT - ©Questel

Title

(EP2144964)

Ethylene vinyl alcohol compositions**Images**

EVAL®

Publication data including kind & date

US20080281045	A1	2008-11-13	US20080281045				
WO2008141029	A2	2008-11-20	WO2008141029				
AU2008251593	A1	2008-11-20	AU2008251593				
WO2008141029	A3	2009-06-25	WO2008141029				

AU2008251593	A2	2009-11-26	AU2008251593				
EP2144964	A2	2010-01-20	EP2144964				
CN101679706	A	2010-03-24	CN101679706				
IN7159/DELNP/2009	A	2010-07-02	IN2009DN07159				
JP2010527388	A	2010-08-12	JP2010527388				
US7834089	B2	2010-11-16	US7834089				
AU2008251593	B2	2012-12-20	AU2008251593				
CN101679706	B	2013-02-06	CN101679706B				
JP5591688	B2	2014-09-17	JP5591688				
BRPI0809829	A2	2014-10-07	BR200809829				

Abstract

(EP2144964)

Disclosed are compositions of **ethylene** acid copolymers and **EVOH** that are useful for fabricating films, sheets and other shaped articles such as tubing, bottle, fuel tank, tray etc. comprising (1) an **ethylene vinyl alcohol** copolymer; and (2) a copolymer comprising in-chain copolymerized units of (a) in-chain copolymerized units of **ethylene**; (b) in-chain polymerized units of an α,β -unsaturated C3-C8 carboxylic acid; (c) in-chain polymerized units of at least one comonomer that is an ethylenically unsaturated dicarboxylic acid or derivative thereof; and optionally (d) in-chain copolymerized units of alkyl acrylate or alkyl methacrylate, and wherein the carboxylic acid functionalities present are at least partially neutralized by one or more alkali metal, transition metal, or alkaline earth metal cations. The compositions can be used for packaging of foodstuffs, medical solutions and industrial chemicals.

Inventors

ZHANG DAVID D

Latest standardized assignees - inventors removed

DU PONT DE NEMOURS

Family 5/16 - FAMPAT - ©Questel

Title

(EP2859941)

Enclosure for protecting contents from external humidity

Images

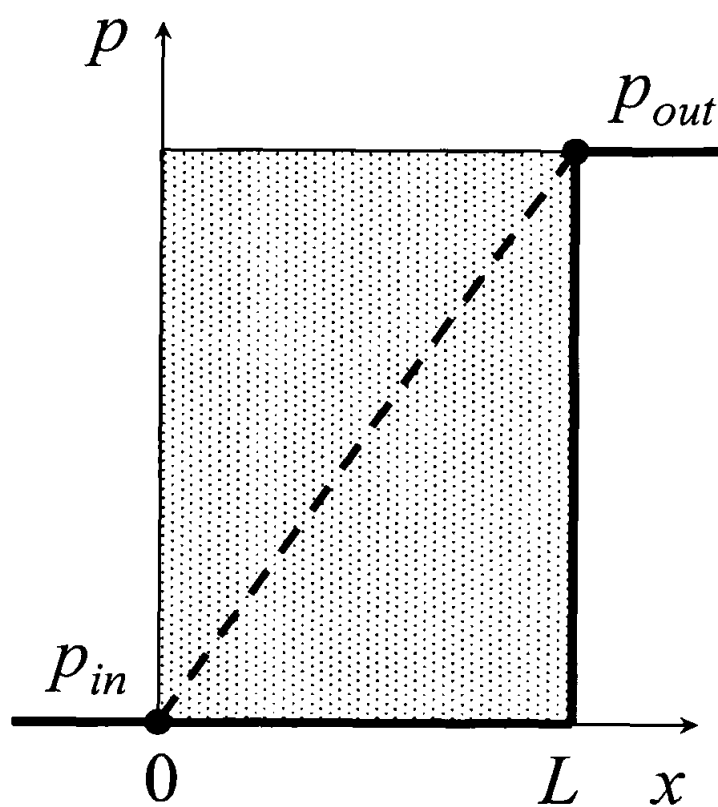


Fig. 1

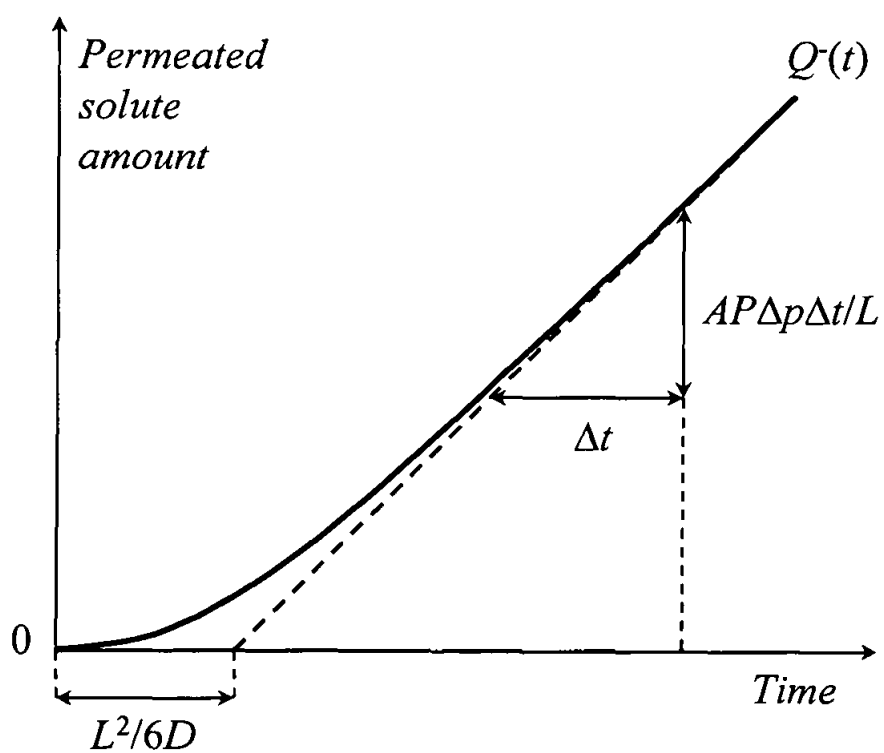


Fig. 2

Publication data including kind & date

US20080241521	A1	2008-10-02	US20080241521
WO2008121321	A1	2008-10-09	WO2008121321
CA2682403	A1	2008-10-09	CA2682403
AU2008233193	A1	2008-10-09	AU2008233193
US20080251760	A1	2008-10-16	US20080251760
WO2009120393	A1	2009-10-01	WO2009120393
CA2719259	A1	2009-10-01	CA2719259
AU2009229178	A1	2009-10-01	AU2009229178
MX2009010265	A	2009-10-19	MX2009010265
KR20090127177	A	2009-12-09	KR20090127177
EP2129460	A1	2009-12-09	EP2129460
IL201157	A	2010-05-17	IL-201157
CN101711184	A	2010-05-19	CN101711184
IN6207/DELNP/2009	A	2010-05-21	IN2009DN06207
JP2010527308	A	2010-08-12	JP2010527308
MX2010010598	A	2010-10-25	MX2010010598
EP2254754	A1	2010-12-01	EP2254754
ZA200906771	B	2010-12-29	ZA200906771
IL208229	A	2010-12-30	IL-208229
KR20100137542	A	2010-12-30	KR20100137542
TR201007876	T1	2011-01-21	TR201007876
DOP2010000284	A	2011-03-31	DO201000284
CN102015292	A	2011-04-13	CN102015292
RU2009139925	A	2011-05-10	RU2009139925
EP2129460	A4	2011-07-06	EP2129460
JP2011520640	A	2011-07-21	JP2011520640
IN6767/DELNP/2010	A	2011-09-09	IN2010DN06767
US8034739	B2	2011-10-11	US8034739
RU2433864	C2	2011-11-20	RU2433864
CO6341593	A2	2011-11-21	CO6341593
US20110309298	A1	2011-12-22	US20110309298
ZA201006821	B	2012-01-25	ZA201006821
US8110261	B2	2012-02-07	US8110261
EP2254754	A4	2012-04-25	EP2254754
RU2010143591	A	2012-05-10	RU2010143591
MY147426	A	2012-12-14	MY-147426
AU2009229178	B2	2013-01-24	AU2009229178
AU2008233193	B2	2013-01-24	AU2008233193
NZ588146	A	2013-02-22	NZ-588146
UA102095	C2	2013-06-10	UA-102095
RU2483931	C2	2013-06-10	RU2483931
US8524115	B2	2013-09-03	US8524115
IL201157	B	2013-09-30	IL-201157
CN101711184	B	2013-10-30	CN101711184B
JP5364694	B2	2013-12-11	JP5364694
KR101358054	B1	2014-02-13	KR101358054
BRPI0809503	A2	2014-09-23	BR200809503



JP5603854	B2	2014-10-08	JP5603854
CA2719259	C	2015-02-24	CA2719259
EP2859941	A2	2015-04-15	EP2859941
IL208229	B	2015-04-30	IL-208229
CN102015292	B	2015-06-24	CN102015292B
EP2859941	A3	2015-09-09	EP2859941
BRPI0909085	A2	2015-09-29	BR200909085
MY158271	A	2016-09-30	MY-158271

**Abstract**

(EP2859941)

Enclosure for protecting contents from external humidity. The enclosure comprises an adsorptive composite barrier formed from a resin bonded sorbent composition. Method of selecting an enclosure suitable to protect its contents for a certain time from external humidity.

Inventors

SOLOVYOV STANISLAV E

POWERS THOMAS

INCORVIA SAMUEL A

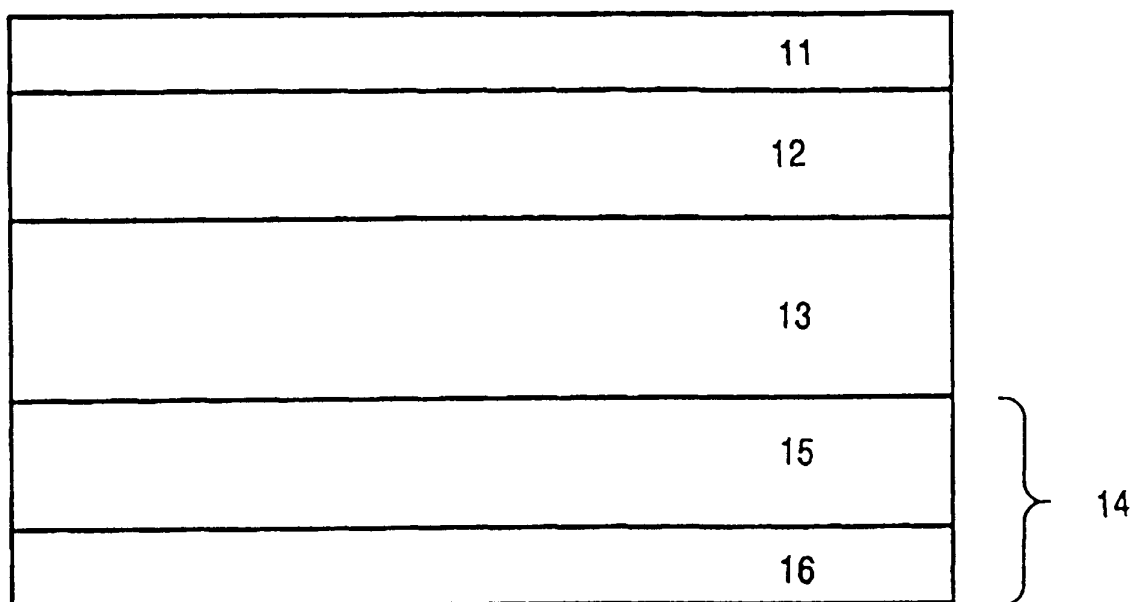
Latest standardized assignees - inventors removed

MULTISORB TECHNOLOGIES

Family 6/16 - FAMPAT - ©Questel

Title

(EP1244546)

Metallized **multi-layer** film**Images****Publication data including kind & date**

WO200134389	A1	2001-05-17	WO200134389
CA2390073	A1	2001-05-17	CA2390073
AU1357201	A	2001-06-06	AU200113572
BR0014118	A	2002-05-14	BR200014118
BRPI0014118	A1	2002-05-14	BRPI0014118



EP1244546	A1	2002-10-02	EP1244546
US6503635	B1	2003-01-07	US6503635
JP2003513822	A	2003-04-15	JP2003513822

**Abstract**

(EP1244546)

A metallized biaxially oriented film has at least one polypropylene layer and a metallized skin layer. This skin layer is formed from a blend of polymers including syndiotactic polypropylene. The polymer which is blended with the syndiotactic polypropylene may be a butylene-propylene copolymer or a graft copolymer of propylene and maleic anhydride. The film may include a separate non-metallized biaxially oriented film laminated to the metallized biaxially oriented film. The metal layer provides a barrier to oxygen and water vapor. The metallized film can be processed through package forming machines without damage to the metal barrier layer.

Inventors

KONG DAN-CHENG

SEXTON DONALD F

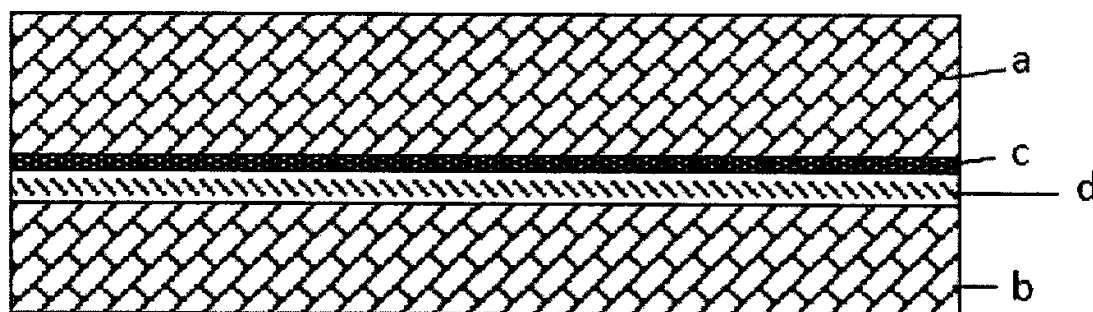
Latest standardized assignees - inventors removed

EXXONMOBIL OIL

Family 7/16 - FAMPAT - ©Questel

Title

(EP2603381)

Multi-layer sheet and method thereof**Images****Publication data including kind & date**

IN2254/MUM/2010	A	2011-10-07	IN2010MU02254
WO2012020426	A1	2012-02-16	WO201220426
CA2806508	A1	2012-02-16	CA2806508
US20130136908	A1	2013-05-30	US20130136908
MX2013001600	A	2013-06-03	MX2013001600
CN103167954	A	2013-06-19	CN103167954
EP2603381	A1	2013-06-19	EP2603381
KR20130097176	A	2013-09-02	KR20130097176
TH128711	A	2013-10-24	TH-128711
EP2603381	B1	2014-07-23	EP2603381
BR112013002754	A1	2014-12-02	BR112013002754
CN103167954	B	2015-07-29	CN103167954B
BR112013002754	A2	2016-06-07	BR112013002754
US9586384	B2	2017-03-07	US9586384
WO2012020426	A8	2017-04-27	WO201220426



[MX348394](#)

B 2017-06-08 MX-348394

**Abstract**

(EP2603381)

The present invention in provides a multilayer sheet comprising a poly **vinyl alcohol** (PVOH) layer only as an oxygen barrier layer. The multilayer sheet comprises an outer layer and an inner layer wherein the poly **vinyl alcohol** (PVOH) layer is sandwiched. The present invention also provides an environmental friendly method for manufacturing a multilayer sheet comprising preparing aqueous emulsion of the polyvinyl alcohol and applying over the outer sheet and drying the same at about 100-120°C. This multilayer sheet can be **recycled** very efficiently as the percentage of polyethylene is more than 90%.

Inventors

BANERJEE MRINAL KANTI

Latest standardized assignees - inventors removed

ESSEL

Family 8/16 - FAMPAT - ©Questel

Title

(EP2706082)

Oxygen Scavenger System in a Polyolefin Matrix

Images

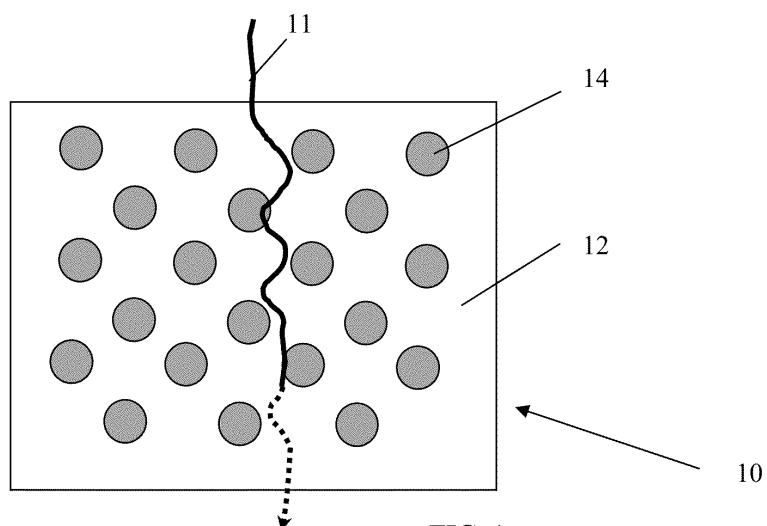


FIG. 1

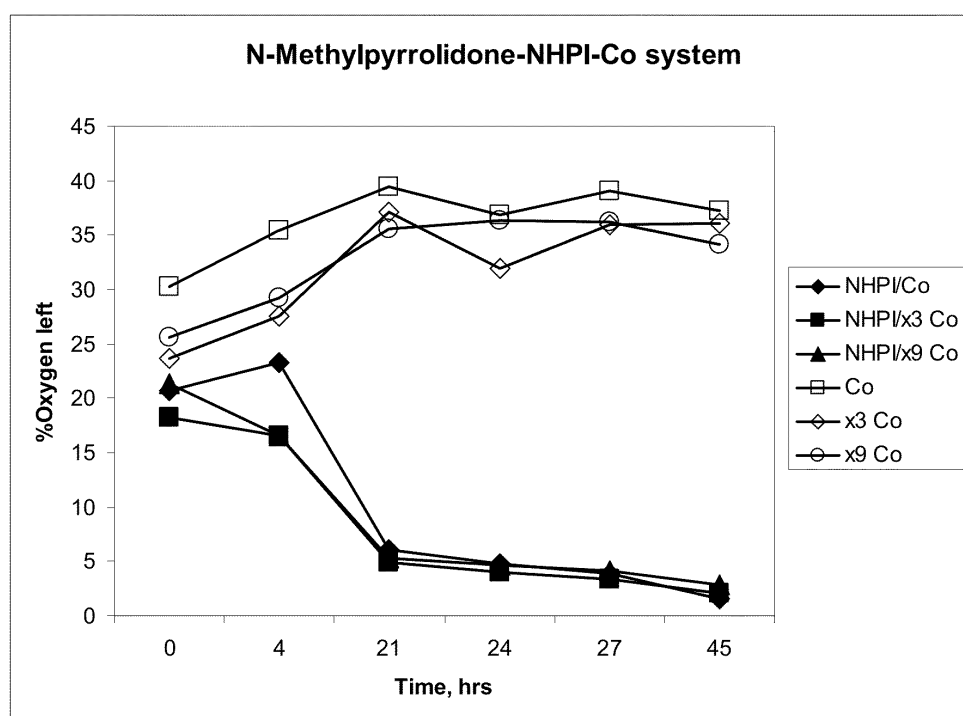


FIG. 2

Publication data including kind & date

CA2826302	A1	2014-03-10	CA2826302
EP2706082	A1	2014-03-12	EP2706082
US20140073741	A1	2014-03-13	US20140073741
CO6900038	A1	2014-03-20	CO6900038A1
AU2013224722	A1	2014-03-27	AU2013224722
CN103694522	A	2014-04-02	CN103694522
BR102013023026	A1	2014-04-29	BR102013023026
ZA201306764	B	2014-05-28	ZA201306764
EP2706082	B1	2014-11-12	EP2706082
MX2013010304	A	2014-11-20	MX2013010304
ES2526798	T3	2015-01-15	ES2526798
IN4003/CHE/2013	A	2015-01-30	IN2013CH04003



US8962740	B2	2015-02-24	US8962740				
RU2013141488	A	2015-03-20	RU2013141488				
BR102013023026	A2	2015-07-14	BR102013023026				
AR094532	A1	2015-08-12	AR--94532				
AU2013224722	B2	2016-11-03	AU2013224722				

Abstract

(EP2706082)

An oxygen scavenging polyolefin composition and methods of making thereof are described herein. In one approach, the composition includes a continuous non-polar polyolefin matrix having oxygen scavenging domains dispersed therein. The oxygen scavenging domains include an oxidizable polymer, a transition metal catalyst or salt thereof, and a catalytic promoter effective to bind with oxygen passing through the continuous non-polar polyolefin matrix. The oxygen scavenging domains forming a discrete polar region within the continuous non-polar polyolefin matrix. The composition further includes a polymeric compatibilizer having a polar moiety and a non-polar moiety and in amounts effective to uniformly disperse the polar oxygen scavenging domains in the continuous non-polar polyolefin matrix.

Inventors

LIANG YING LORA

AGARWAL SURENDRA

GREENFIELD ALEXANDER

Latest standardized assignees - inventors removed

KRAFT FOODS

Family 9/16 - FAMPAT - ©Questel

Title

(EP2355980)

Laminar articles with good hydrocarbon barrier

Images

	重量%			
干混物	CBIX	Comp-1	EBACO-1	N-6,12/6T
DB-1	100		0	0
DB-2	90	2	0	8
DB-3	65		35	0
DB-4	59	2	31	8
DB-5	44	3	23	30

Publication data including kind & date

WO2010060020	A1	2010-05-27	WO201060020				
US20100129576	A1	2010-05-27	US20100129576				
KR20110089186	A	2011-08-04	KR20110089186				
EP2355980	A1	2011-08-17	EP2355980				
CN102216077	A	2011-10-12	CN102216077				
JP2012509964	A	2012-04-26	JP2012509964				
US8512838	B2	2013-08-20	US8512838				
JP5646500	B2	2014-12-24	JP5646500				
CN102216077	B	2016-06-29	CN102216077B				
US9688848	B1	2017-06-27	US9688848				
EP2355980	B1	2017-10-18	EP2355980				

Abstract

(EP2355980)

Disclosed is a laminar shaped article comprising a heterogeneous blend of (a) a composition comprising a vinyl halide or vinylidene halide polymer and optionally an **ethylene** copolymer containing carboxyl and/or carbon monoxide moieties, and (b) a polyolefin functionalized with a comonomer selected from the group consisting of maleic anhydride, maleic acid diesters, maleic acid monoesters, itaconic anhydride, itaconic acid diesters, itaconic acid monoesters, fumaric acid diesters, fumaric acid monoesters, or combinations thereof as a compatibilizer; and (c) a polyamide wherein the polyamide is present in the vinyl halide or vinylidene halide polymer as a multitude of overlapping layers.

Inventors

ZHANG DAVID D

GRIFFIN ELIZABETH R

Latest standardized assignees - inventors removed

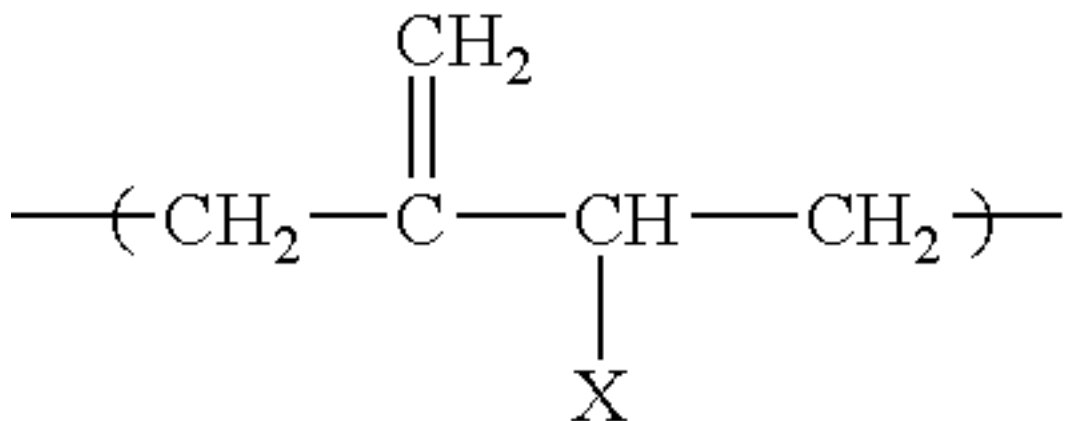
DU PONT DE NEMOURS

Family 10/16 - FAMPAT - ©Questel

Title

(EP1971496)

Laminate of thermoplastic polymer composition having low air permeability and pneumatic tire using same as inner liner

Images**Publication data including kind & date**

WO2007081323	A1	2007-07-19	WO200781323				
CA2635050	A1	2007-07-19	CA2635050				
IN5366/DELNP/2008	A	2008-08-08	IN2008DN05366				
EP1971496	A1	2008-09-24	EP1971496				
CN101356065	A	2009-01-28	CN101356065				
US20090038729	A1	2009-02-12	US20090038729				
JP2009523081	A	2009-06-18	JP2009523081				
RU2008132863	A	2010-02-20	RU2008132863				
EP1971496	B1	2010-09-08	EP1971496				
DE602006016867	D1	2010-10-21	DE602006016867				
RU2412055	C2	2011-02-20	RU2412055				
CA2635050	C	2011-10-04	CA2635050				
CN101356065	B	2011-12-14	CN101356065B				
IN256318	B	2013-06-07	IN-256318				
US8691373	B2	2014-04-08	US8691373				
JP5473335	B2	2014-04-16	JP5473335				

Abstract

(EP1971496)

A laminate (C) of a thermoplastic polymer composition comprising: a thermoplastic resin composition (A) having an

permeation coefficient of 10×10^{-12} cc cm/cm² sec cmHg or less, laminated with a thermoplastic polymer composition (B) having a melt viscosity of 500 - 2000 Pa s and a Young's modulus at a room temperature of 1 - 400 MPa, wherein the thickness of a layer of the thermoplastic resin composition (A) is 0.05 - 10 μ m and the air permeation coefficient of the laminate (C) of 20×10^{-12} cc cm/cm² sec cmHg or less, and a pneumatic tire using the above laminate (C) as an inner liner.

Inventors

SOEDA YOSHIHIRO

MOROOKA NAOYUKI

HARA YUICHI

TSOU ANDY HAISHUNG

Latest standardized assignees - inventors removed

YOKOHAMA RUBBER

EXXONMOBIL CHEMICAL

Family 11/16 - FAMPAT - ©Questel

Title

(US7666518)

Reprocessed polyhydroxy amino ether coated polypropylene film

Publication data including kind & date[US20080014429](#) A1 2008-01-17 US20080014429[US7666518](#) B2 2010-02-23 US7666518**Abstract**

(US7666518)

This invention relates to a biaxially oriented polypropylene (BOPP) film comprising a polyolefin-containing base layer with at least 1 weight percent **recycled** polyolefin material comprises polyhydroxy amino ether polymer (PHAE) and an amount of compatibilizing agent such that the laminate film has a gel count of less than 15 gels/80 in². The laminate film could have an optional tie-layer which could comprise PHAE adhered to one side; the polypropylene film contains an amount of reprocessed PHAE-containing film and a compatibilizing agent to reduce significantly or eliminate visual defects such as gels, voids, etc. The use of the compatibilizing agent with the reprocessed PHAE also aids in improving subsequent biaxial film orientation and maintains film properties. The film of the embodiments of the invention has excellent appearance and aesthetic properties and can be suitable for transparent, white opaque, or metallized film applications depending on formulation.

Inventors

SU TIEN-KUEI

NARKEVICIUS SCOTT

Latest standardized assignees - inventors removed

TORAY PLASTICS

Family 12/16 - FAMPAT - ©Questel

Title

(US20060141241)

Peelable breakaway multi-layered structures and methods and compositions for making such structures

Images

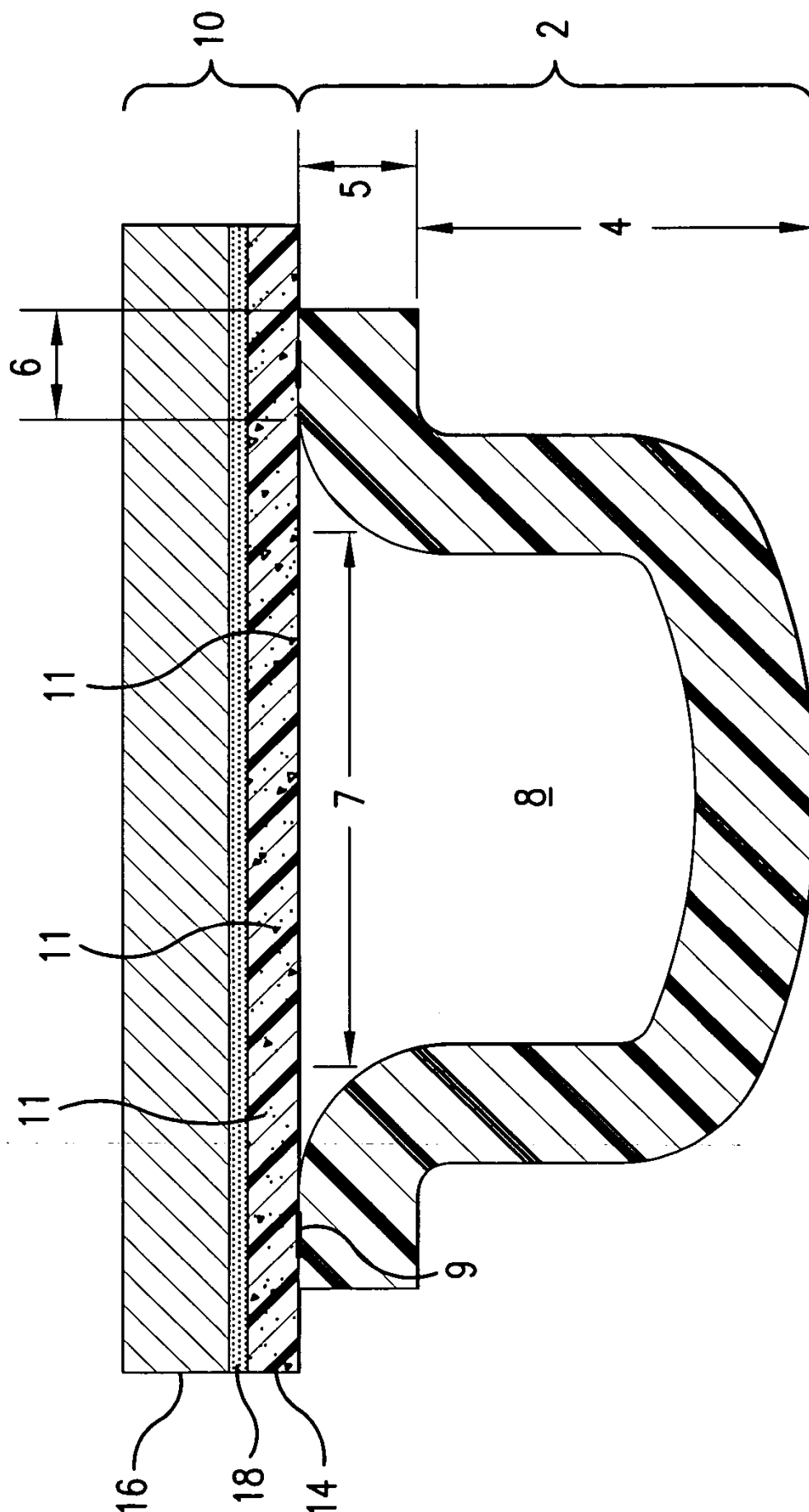


FIG.1



(US20060141241)

Disclosed are peelable multi-layered structures and methods and compositions for making such structures. In one example embodiment, the structure may include a structural layer and a peelable breakaway layer that functions by cohesive failure. The composition used for the breakaway layer may be made of a first matrix into which is blended a second composition that is dispersed the matrix. For example, a matrix of a first polymer may be blended with a second polymer that is at least partly incompatible with the first polymer, and at least 10% of an inert filler.

Inventors

CARESPODI DENNIS L

ASHCRAFT CHARLES R

Latest standardized assignees - inventors removed

ORACLE FLEXIBLE PACKAGING

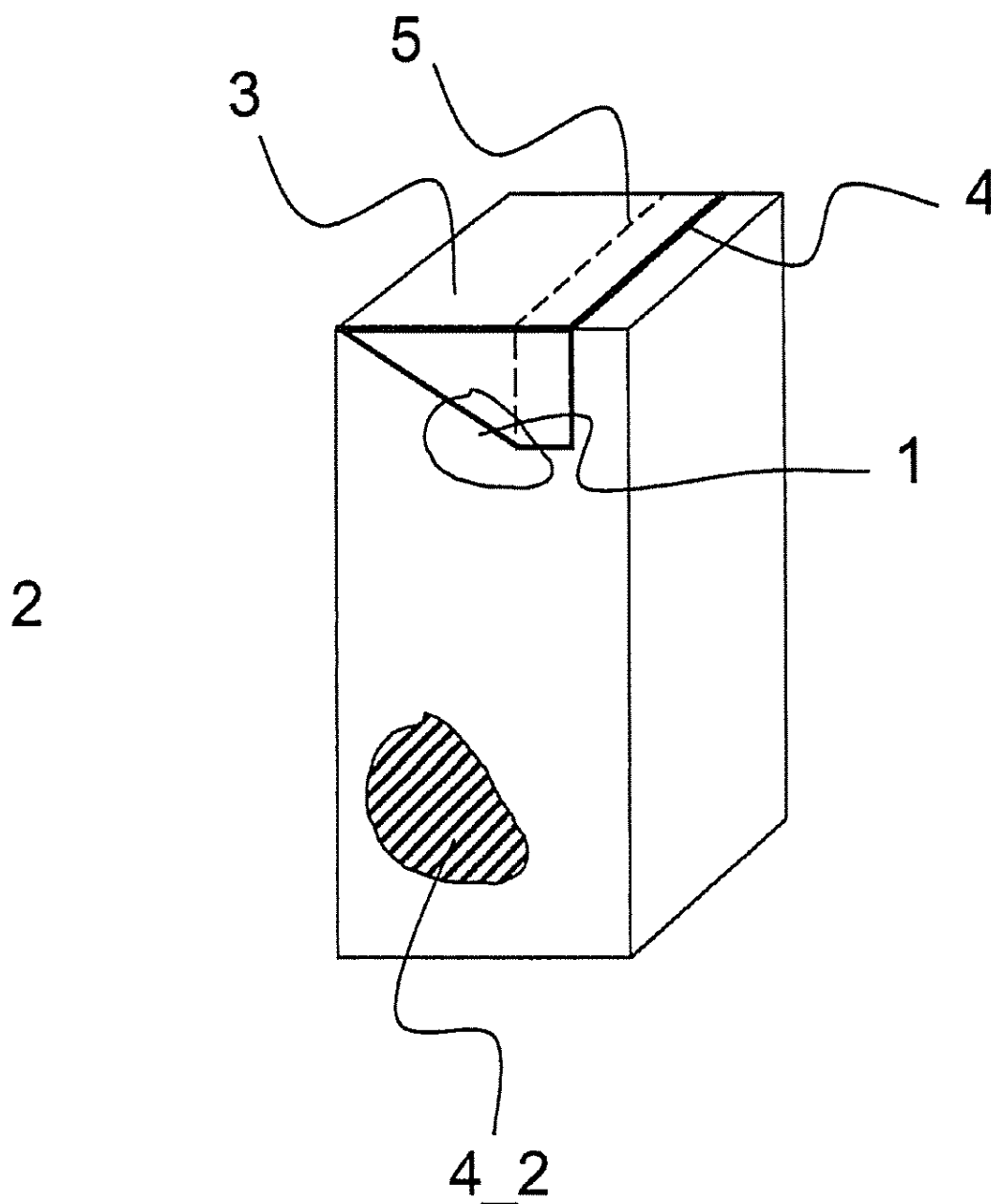
Family 13/16 - FAMPAT - ©Questel

Title

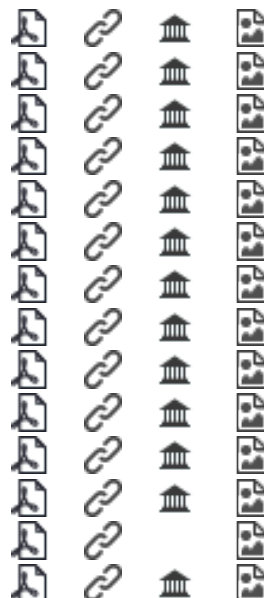
(EP2601046)

Packaging container made of a sheet-like composite with improved adhesion-layer and inner-layer combination

Images

**Publication data including kind & date**

WO2012016701	A1	2012-02-09	WO201216701
CA2807172	A1	2012-02-09	CA2807172
DE102010033466	A1	2012-02-09	DE102010033466
DE102010033466	B4	2012-11-08	DE102010033466
EP2601046	A1	2013-06-12	EP2601046
CN103209833	A	2013-07-17	CN103209833
US20130213962	A1	2013-08-22	US20130213962
BR112013002711	A1	2013-12-31	BR112013002711
CN103209833	B	2015-11-25	CN103209833B
BR112013002711	A2	2016-05-31	BR112013002711
EP2601046	B1	2017-09-27	EP2601046
ES2653683	T3	2018-02-08	ES2653683
PL2601046	T3	2018-03-30	PL2601046
US9975685	B2	2018-05-22	US9975685



Abstract

(EP2601046)

The present invention relates to a container (3) which delimits a container interior (1) from the surroundings (2) and is formed, at least in part, from a sheet-like composite (4), wherein the sheet-like composite (4) contains, as the composite constituent parts: - an outer polymer layer (4_1), which is directed towards the surroundings (2); - a carrier layer (4_2), which follows the outer polymer layer (4_1) in the direction of the container interior (1); - a barrier layer (4_3), which follows the carrier layer (4_2) in the direction of the container interior (1); - an adhesion layer (4_4), which follows the barrier layer (4_3) in the direction of the container interior (1); - an inner polymer layer (4_5), which follows the adhesion layer (4_4) in the direction of the container interior (1); wherein the thickness of the adhesion layer (4_4) SDHS is greater than the thickness of the inner polymer layer (4_5) SDpß. The invention also relates to a method for producing a sheet-like composite and to a method for producing a container.

Inventors

WOLTERS MICHAEL

LORENZ GÜNTHER

SCHMIDT HOLGER

BISCHOFF JÖRG

Latest standardized assignees - inventors removed

SIG TECHNOLOGY

Family 14/16 - FAMPAT - ©Questel

Title

(EP2004745)

Retortable composition

Publication data including kind & date

EP1840164	A1	2007-10-03	EP1840164			
WO2007112969	A1	2007-10-11	WO2007112969			
EP2004745	A1	2008-12-24	EP2004745			
KR20090006140	A	2009-01-14	KR20090006140			
MX2008012333	A	2009-01-26	MX2008012333			
IN5203/CHENP/2008	A	2009-03-20	IN2008CN05203			
CN101410450	A	2009-04-15	CN101410450			
JP2009531486	A	2009-09-03	JP2009531486			
US20090297745	A1	2009-12-03	US20090297745			
BRPI0709225	A2	2011-07-12	BR200709225			
CN101410450	B	2012-05-30	CN101410450B			
KR101396692	B1	2014-05-16	KR101396692			
JP5722538	B2	2015-05-20	JP5722538			
US9132615	B2	2015-09-15	US9132615			
IN277511	B	2016-11-25	IN-277511			
EP2004745	B1	2017-03-22	EP2004745			
ES2626617	T3	2017-07-25	ES2626617			
PL2004745	T3	2017-08-31	PL2004745			
BRPI0709225	B1	2018-03-06	BR200709225			

Abstract

(EP2004745)

Retortable, flexible essentially polyolefin composition, mono- or multi-layer structures including at least one layer comprising such a composition, containers made from such structures and specific applications thereof.

Inventors

KARSTEN PETRUS

DE VRIES PIET

Latest standardized assignees - inventors removed

SIFMAR

Family 15/16 - FAMPAT - ©Questel

Title

(JP2001055216)

Plastic multilayer-molded container

Publication data including kind & date

[JP2001055216](#) A 2001-02-27 JP2001055216



Abstract

(JP2001055216)

PROBLEM TO BE SOLVED: To provide a molded container for contents which should not be oxidized wherein the container is suitable for retort sterilization and cooking in a microwave oven, it has shape retention property, it is inexpensive, light- weighted and excellent in shock resistance and **recyclability**, and it has a function for trapping oxygen inside a package.SOLUTION: The multilayer-molded container comprises a thermoplastic resin (1) layer; a resin layer which contains an oxygen trapping resin which is a polyester-based with a polyolefin segment having carbon-carbon unsaturated linkage in a molecule coupled, polyamide-based, polyolefin-based or vinyl-based polymer; a thermoplastic resin (2) layer or the thermoplastic resin (1) layer; a resin layer containing the oxygen trapping resin/a gas-barrier resin layer; and the thermoplastic resin (2) layer, which are laminated in this sequence from inner to outer layers.In this case, the container is prepared by vacuum forming, pressure forming, blow molding or injection molding.

Inventors

NAGAO TAKESHI

MIYAUCHI OTOHIKO

TAKOSHI HIROTAKA

Latest standardized assignees - inventors removed

SHOWA DENKO

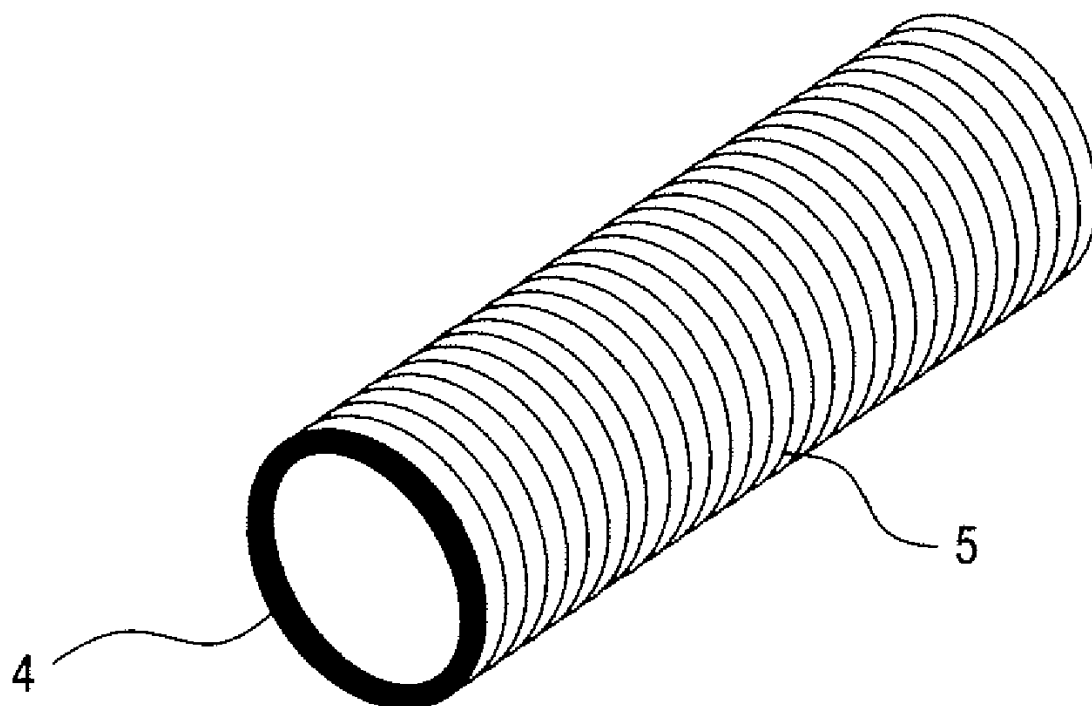
Family 16/16 - FAMPAT - ©Questel

Title

(EP2099606)

Films, articles prepared therefrom, and methods of making the same

Images



Publication data including kind & date

WO2008082915	A1	2008-07-10	WO200882915
TW200911529	A	2009-03-16	TW200911529
AR064688	A1	2009-04-22	AR--64688
EP2099606	A1	2009-09-16	EP2099606
CN101616791	A	2009-12-30	CN101616791
US20100040875	A1	2010-02-18	US20100040875
RU2009129111	A	2011-02-10	RU2009129111
EP2099606	B1	2011-06-29	EP2099606
AT514547	T	2011-07-15	ATE514547
ES2365640	T3	2011-10-07	ES2365640
IN3798/CHENP/2009	A	2012-01-13	IN2009CN03798
RU2448838	C2	2012-04-27	RU2448838
CN101616791	B	2013-08-07	CN101616791B
BRPI0719641	A2	2014-10-14	BR200719641
BRPI0719641	B1	2018-08-21	BRPI0719641



Abstract

(EP2099606)

The invention provides a film comprising at least one layer, wherein the at least one layer comprises a surface area, and wherein the surface area comprises a plurality of stretched segments, and where each stretched segment is, independently, at least one inch in length, and where the at least one layer is formed from a composition comprising one or more polyolefins, and where the combined weight of the one or more polyolefins is greater than 90 weight percent, based on the total weight of the composition. The invention also provides articles, each comprising at least one component formed from an inventive film, and for methods of preparing such films and articles.

Inventors

PATEL RAJEN

SAAVEDRA JOSE

Latest standardized assignees - inventors removed

DOW GLOBAL TECHNOLOGIES