

Search history

- Search FT=((blood w5 bag) and polypropylene and ((film or sheet or label) w9 density)) (Results 54)
1:
- Search FT=((blood w5 bag) and polypropylene and (film or sheet or label) and (density w7 (g or kg or kgs or lb or lbs))) (Results 215)
2:
- Search ft=((blood w5 bag?) and ((polypropylene or pp) w9 (label or film or sheet*)) and (acrylic w9 adhesive) and liner) (Results 3)
3:
- Search [SP]: 1. a label adapted for use on blood bags, the label comprising: a microporous polypropylene film defining a first face and an oppositely directed second face adhesive disposed on at least one of the first face and the second face of the film. 2. the label of claim 1 wherein upon exposure to sterilization conditions, the label exhibits shrinkage characteristics that closely match shrinkage characteristics of the blood bag. 3. the label of claim 2 wherein upon exposure to a temperature of 121 degrees centigrade for 30 minutes, the label exhibits shrinkage characteristics that closely match shrinkage characteristics of the blood bag and wherein the blood bag comprises polyvinyl chloride. 4. the label of claim 1 wherein the polypropylene film has a density within a range of from 0.5 to 0.6 g/cc. 5. the label of claim 1 wherein the polypropylene film has a thickness in a range of from 100 microns to 200 microns. 6. the label of claim 1 wherein the polypropylene film exhibits a porosity within a range of from 2,500 to 4,771 gury seconds. 7. the label of claim 1 wherein the polypropylene film exhibits shrinkage of less than 2 percent in a machine direction and 4-6 percent in a cross direction upon exposure to a temperature of 121 degrees centigrade for 30 minutes. 8. the label of claim 1 further comprising: an additional layer adjacent to either the microporous polypropylene film or the adhesive. 9. the label of claim 1 further comprising: a release layer at least partially covering the adhesive. 10. the label of claim 1 wherein the adhesive is a solvent based pressure sensitive adhesive. 11. the label of claim 1 wherein the adhesive is an acrylic adhesive. 12. the label of claim 1 wherein the adhesive is a solvent based permanent acrylic pressure sensitive adhesive having a service temperature within a range of from -80 degrees centigrade to 140 degrees centigrade 13. a labelled blood bag comprising: a blood bag defining an outer surface and a label adhered to the outer surface of the blood bag, the label including a microporous polypropylene film defining an outer face and an inner face, and adhesive disposed between the inner face of the film and the outer surface of the blood bag. 14. the labelled blood bag of claim 13 wherein upon exposure to sterilization conditions, the label exhibits shrinkage characteristics that closely match shrinkage characteristics of the blood bag. 15. the labelled blood bag of claim 13 wherein upon exposure to a temperature of 121 degrees centigrade for 30 minutes, the label exhibits shrinkage characteristics that closely match shrinkage characteristics of the blood bag and wherein the blood bag comprises polyvinyl chloride. 16. the labelled blood bag of claim 13 wherein the polypropylene film has a density within a range of from 0.5 to 0.6 g/cc. 17. the labelled blood bag of claim 13 wherein the polypropylene film has a thickness in a range of from 100 microns to 200 microns. 18. the labelled blood bag of claim 13 wherein the polypropylene film exhibits a porosity within a range of from 2,500 to 4,771 gury seconds. 19. the labelled blood bag of claim 13 wherein the polypropylene film exhibits shrinkage of less than 2 percent in a machine direction and 4-6 percent in a cross direction upon exposure to a temperature of 121 degrees centigrade for 30 minutes. 20. the labelled blood bag of claim 13 wherein the label further includes an additional layer adjacent to either the microporous polypropylene film or the adhesive. 21. the labelled blood bag of claim 13 wherein the adhesive is a solvent based pressure sensitive adhesive. 22. the labelled blood bag of claim 13 wherein the adhesive is an acrylic adhesive. 23. the labelled blood bag of claim 13 wherein the adhesive is a solvent based permanent acrylic pressure sensitive adhesive having a service temperature within a range of from -80 degrees centigrade to 140 degrees centigrade 24. a microporous polypropylene film wherein upon exposure to sterilization conditions, the film exhibits shrinkage characteristics that closely match shrinkage characteristics of a blood bag exposed to the sterilization conditions. 25. the film wherein of claim 24, wherein the blood bag has a wall material of polyvinyl chloride, and wherein upon exposure to a temperature of 121 degrees centigrade for 30 minutes, the film exhibits shrinkage characteristics that closely match shrinkage characteristics of the blood bag. 26. the film of claim 24 wherein the polypropylene film has a density within a range of from 0.5 to 0.6 g/cc. 27. the film of claim 24 wherein the polypropylene film has a thickness in a range of from 100 microns to 200 microns. 28. the film of claim 24 wherein the polypropylene film exhibits a porosity within a range of from 2,500 to 4,771 gury seconds. 29. the film of claim 24 wherein the polypropylene film exhibits shrinkage of less than 2 percent in a machine direction and 4-6 percent in a cross direction upon exposure to a temperature of 121 degrees centigrade for 30 minutes. 30. the film of claim 24 wherein the film exhibits a porosity within a range of from 2,500 to 4,771 gury seconds. (Results 0)
- Search [SP]: breathable polypropylene based pressure sensitive adhesive coated sheet for blood bag application various labels and labeling techniques for application to blood bags are described. the labels include one or more microporous polypropylene films and adhesive. also described are blood bags having the labels adhered thereto and related methods of use. (Results 14)
5:
- Search FT=((POLYPROPYLENE OR PP) AND ADHESIVE AND LABEL AND (MICROPOR* OR (MICRO W2 POR*))) (Results 2056)
6:
- Search (6) and ft=((density w7 (g or kg or kgs or lb or lbs))) (Results 561)
7:
- Search (7) and ft=(polypropylene w9 density) (Results 113)
8:
- Search (6) and ft=(gury w3 (second? or unit?)) (Results 9)
9:
- Search RF=(blood bag) (Results 13)
10:

1) Family number: 11570069 (US6905744B)

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Title: MULTILAYERED FILM AND CONTAINER

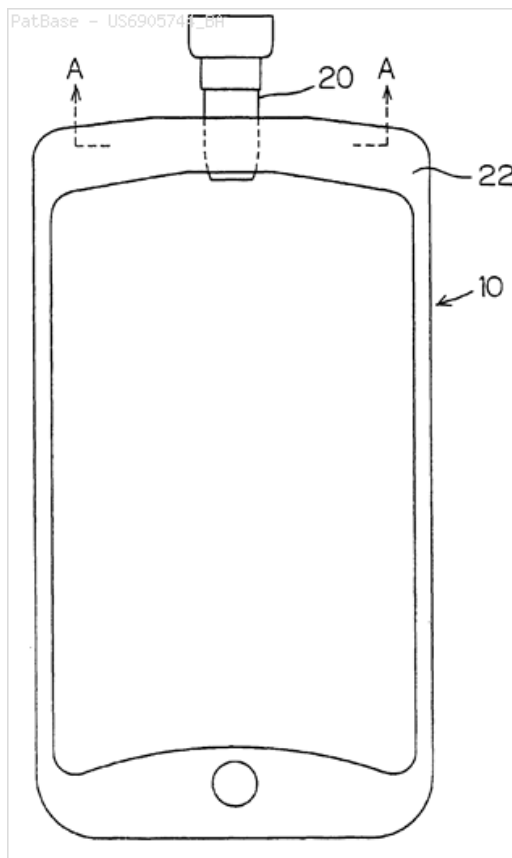
Abstract: A multilayered film comprising five layers in which the first, third and fifth layers are made of an ethylene.alpha-olefin copolymer having a density of 0.930 to 0.950 g/cm³ and the second and fourth layers are made of a mixed resin comprising 35 to 55 percent by weight of polypropylene having a density of 0.900 to 0.930 g/cm³, 40 to 60 percent by weight of ethylene.alpha-olefin elastomer having a density of 0.860 to 0.900 g/cm³, and 2 to 8 percent by weight of high-density polyethylene having a density of 0.955 to 0.970 g/cm³; and a container made of the film (bag for infusion fluid, etc.). The multilayered film and the container are useful in medical applications.

Classifications:

International (IPC 8-9): A61J1/00 A61J1/05 A61J1/10 B29C65/00 B29C65/02 B32B25/08 B32B27/00 B32B27/08 B32B27/32 B65D1/02 B65D30/02 B65D33/36 C08L23/04 C08L23/06 C08L23/08 C08L23/10 (Advanced/Invention); A61J1/05 B29C65/00 B29C65/02 B32B27/32 B65D30/02 C08L23/06 C08L23/08 C08L23/10 C08L23/12 (Advanced/Non-invention); A61J1/00 A61J1/05 A61J1/10 B32B25/00 B32B27/00 B32B27/08 B32B27/32 B65D30/02 B65D33/36 C08L23/00 (Core/Invention); B29C65/00 B29C65/02 (Core/Non-invention)

International (IPC 1-7): A61J1/10 B29D22/00 B29D23/00 B32B1/08

B32B25/08 B32B27/00 B32B27/32 B65D1/02 B65D30/02 B65D33/36 C08L23/04 C08L23/10
CPC: B29C66/53262 B29C66/9141 B29C66/91645 A61M2207/00 B29C65/02 B29C66/024 B29C66/71 B29C66/919 B29K2023/06 B29L2031/7148 C08L23/06 C08L23/0815 C08L23/10 Y10T428/1352 Y10T428/1393 Y10T428/24992 Y10T428/27 Y10T428/31909 Y10T428/31913 Y10T428/31938 Y10T428/31946 B32B27/08 B32B2309/105 B32B2323/04 B32B2323/043 B32B2323/10 B32B2439/80 B32B27/32 A61J1/10
European: A61J1/00T A61J1/10 B32B27/32 C08L23/08A1 K61M207/00 L29C65/02 L29C66/024 L29C66/532 L29C66/71 L29C66/919 L29K23/06 L29L31/7148 M08L23/06 M08L23/08A1 M08L23/10
US: 428/218 428/340 428/35.7 428/36.91 428/515 428/516 428/523 428/525



Family:

Publication number	Publication date	Application number	Application date
AT322377 E	20060415	AT19990959741T	19991209
AU200016833 A1	20000703	AU20000016833	19991209
AU200016833 A5	20000703	AU20000016833	19991209
AU761628 B2	20030605	AU20000016833	19991209
CA2353497 AA	20010531	CA19992353497	19991209
CA2353497 C	20070918	CA19992353497	19991209
CN1118367 C	20030820	CN19998014444	19991209
CN1330588 A	20020109	CN19998014444	19991209
DE69930767 D1	20060518	DE19996030767T	19991209
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DE69930767 T2	20070315	DE19996030767T	19991209
EG22300 A	20021231	EG19990001594	19991214
EP1153742 A1	20011114	EP19990959741	19991209
EP1153742 A4	20040825	EP19990959741	19991209
EP1153742 B1	20060405	EP19990959741	19991209
ID29435 A	20010830	ID20010001280	19991209
JP2000177077 A2	20000627	JP19980354913	19981214
JP3607103 B2	20050105	JP19980354913	19981214
KR100601747 B1	20060720	KR20017007326	19991209
KR20010080756 A	20010822	KR20017007326	19991209
MY118576 A	20041231	MY19990005316	19991207
TH27972 B	20100602	TH19991004649	19991213
TH43752 A	20010320	TH19991004649	19991213
TW562740 B	20031121	TW19990121646	19991210
US6905744 BA	20050614	US20010857898	20010613
VN4551 A1	20041025	VN20010000533	19991208
WO0035673 A1	20000622	WO1999JP06932	19991209

Priority:

JP19980354913 19981214 WO1999JP06932 19991209 KR20017007326 20010612

Probable Assignee: OTSUKA PHARMACEUTICAL FACTORY INC

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Agent(s): GRIFFITH HACK; RICHES MCKENZIE AND HERBERT LLP; FINNEGAN HENDERSON FARBOW GARRETT AND DUNNER LLP

Designated states: AT AU BE CA CH CN CY DE DK ES FI FR GB GR ID IE IT KR LI LU MC NL PT SE SG US VN

Title: USE OF POLYPROPYLENE FILMS FOR IN-MOLD LABELLING

Abstract: The invention relates to the use of a biaxially oriented microporous film, which contains a propylene polymer and at least one beta -nucleating agent and whose microporosity is produced by converting beta -crystalline polypropylene when drawing the film, in order to label containers during blow molding.

Classifications:

International (IPC 8-9): B29C49/24 C08J5/18

G09F3/02 (Advanced/Invention);

B29C49/04 B29C51/16 (Advanced/Non-invention);

B29C49/24 C08J5/18 G09F3/02 (Core/Invention);

B29C49/04 B29C51/00 (Core/Non-invention);

B29C C08J G09F (Subclass/Invention)

International (IPC 1-7): B29C49/04 B29C49/24 C08J5/18 G09F3/02

CPC: C08J5/18 B29C49/04 B29C49/2408 B29C51/16

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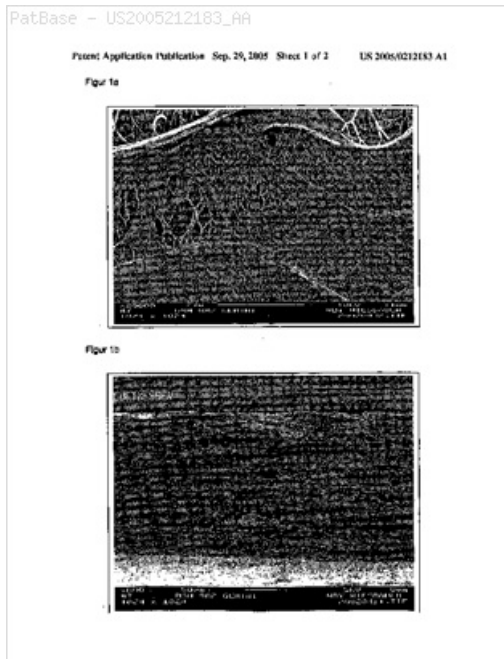
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L29K23/12 L29K96/04 L29K995/00F10C M08J323/10

US: 264/509 264/509P 264/540 264/540S



Family:

Publication number	Publication date	Application number	Application date
AU2003221529 AA	20031110	AU20030221529	20030328
CA2483344 AA	20041021	CA20032483344	20030328
CA2483344 C	20110621	CA20032483344	20030328
DE50314848 D1	20130919	DE20035014848	20030328
EP1501886 A1	20050202	EP20030717245	20030328
EP1501886 B1	20130724	EP20030717245	20030328
ES2429530 T3	20131115	ES20030717245T	20030328
IL164422 A0	20051218	IL20040164422	20041005
IL164422 A1	20110630	IL20030164422	20030328
MXPA04010476 A1	20050714	MX2004PA10476	20030328
US2005212183 AA	20050929	US20040511951	20041021
US7670544 BB	20100302	US20040511951	20041021
WO03091316 A1	20031106	WO2003EP03233	20030328
ZA200407967 A	20050829	ZA20040007967	20041004
ZA200407967 A	20051026	ZA20040007967	20041004

Priority:

DE20021018246 20020424 EP20030717245 20030328 WO2003EP03233 20030328

Probable Assignee: TREOFAN GERMANY GMBH AND CO KG

Assignee(s): (std): KOHEM KARLHEINZ ; SCHMITZ BERTRAM ; TEWS WILFRID ; BUSCH DETLEF ; TRESPAPHAN GMBH ; TREOFAN GERMANY GMBH AND CO KG

Assignee(s): TREOFAN GERMANY GMBH AND CO KG ; KOHEM KARL HEINZ ; TREOFAN GERMANY GMBH

Inventor(s): (std): KOHEM KARL HEINZ ; WILFRID TEWS ; TEWS WILFRID ; SCHMITZ BERTRAM ; KOHEM KARLHEINZ ; KARLHEINZ KOHEM ; KARL HEINZ KOHEM ; DETLEF BUSCH ; BUSCH DETLEF D ; BUSCH DETLEF ; BERTRAM SCHMITZ

Agent(s): FETHERSTONHAUGH AND CO; KREMER VIOLA; ZUAZO ALEXANDER; REINHOLD COHN AND PARTNERS; CONNOLLY BOVE LODGE AND HUTZ LLP

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BJ BR BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE ES FI FR GA GB GD GE GH GM GN GQ GR GW HR HU ID IE IL IN IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MA MC MD MG MK ML MN MR MW MX MZ NE NI NL NO NZ OM PH PL PT RO RU SC SD SE SG SI SK SL SN SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

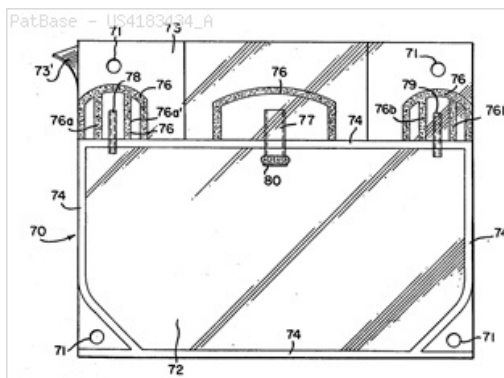
Title: PEELABLE SEAL

Abstract: A bag for storing blood components consisting of a sterilizable, flexible polyolefin container having at least two inlets at the top thereof forming part of the container and a bag-like protective closure hermetically enclosing the inlets. The protective closures are integral with the bag and formed by heat-sealing under combined application of heat and pressure a portion of at least two polyolefin film members having at least one oxidized surface therebetween so as to form a seal that is peelable to expose each of the inlets.

Classifications:

International (IPC 8-9): A61J1/00 A61J1/05 B29C65/76 B31B23/00

B65D53/08 B65D75/30 B65D75/58 C09J5/02 (Advanced/Invention);
A61J1/00 A61J1/05 B29C65/00 B31B23/00 B65D53/00 B65D75/28
B65D75/52 C09J5/02 (Core/Invention)
International (IPC 1-7): A61B19/02 A61J1/00 A61M5/00 A61M5/14
B29C27/02 B29C27/02 B29D31/00 B29D31/00 B32B31/20
B65B51/10 B65D27/00 B65D27/32 B65D33/00 B65D33/16
B65D33/22 B65D47/36 B65D53/08 B65D65/38 B65D85/50 C09J5/02
CPC: B29K2023/00 B29K2023/06 B29K2023/12 C09J2400/228
Y10T156/1911 C09J5/02 C09J2423/008 Y10T156/1153
B29C66/53461 B29C66/43121 A61J1/10 B29L2031/7148 B65D75/30
B65D75/5855 B29C65/76 B29C66/1122 B29C66/43 B29C66/24244
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M09J400/22T M09J423/00T
US: 128/214.0D 128/214D 156/244.11 156/244.24 156/272 156/272.6 156/273.3 156/275.1 156/290 156/308.4 156/344
156/69 156/711 156/752 204/168 206/438 206/632 229/123.1 383/210 383/38 426/115 604/408



Family:

Publication number	Publication date	Application number	Application date
CA1128004 A1	19820720	CA19780310386	19780831
DE2837505 A1	19790315	DE19782837505	19780828
FR2401847 A1	19790330	FR19780025329	19780901
GB2003449 A1	19790314	GB19780031379	19780727
GB2003449 B2	19820707	GB19780031379	19780727
NL7808006 A	19790306	NL19780008006	19780728
SE432561 B	19840409	SE19780009238	19780901
SE432561 C	19840719	SE19780009238	19780901
SE7809238 A	19790303	SE19780009238	19780901
US4183434 A	19800115	US19770830051	19770902
US4198972 A	19800422	US19780896637	19780417
US4264392 A	19810428	US19780964453	19781129
US4365716 A	19821228	US19800189033	19801020

Priority:

US19770830051 19770902 US19780896637 19780417 CA19780310386 19780831
US19780964453 19781129 US19800189033 19801020

Probable Assignee: PHARMACHEM CORP

Assignee(s): (std): PHARMACHEM CORP

Assignee(s): PHARMACHEM TE BETHLEHEM PENNSYLVANIA VER ST V AM CORP ; WATT WILLIAM ER ; HERB JOHN R

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Inventor(s): J R HERB ; W E R WATT ; ROBERT HERB JOHN ; RAPHAEL WATT WILLIAM EUGENE ; WATT WILLIAM ER

Agent(s): GOUDREAU GAGE AND ASSOCIATES

4) Family number: 40838032 (US2009208676A)

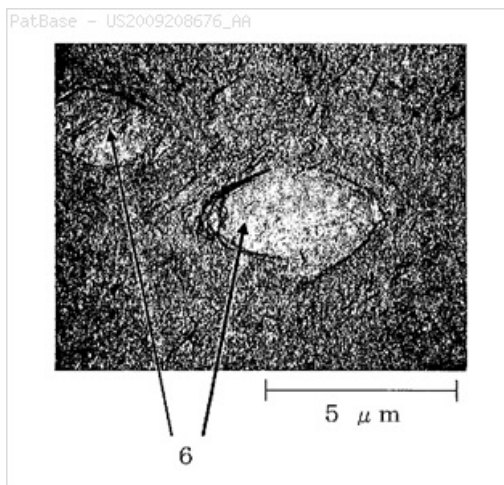
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Title: BIAXIALLY ORIENTED WHITE POLYPROPYLENE FILM, REFLECTION PLATE AND RECEIVING SHEET FOR THERMAL TRANSFER RECORDING

Abstract: A biaxially oriented white polypropylene film containing a core layer (layer A) and a skin layer (layer B), said layer B is laminated at least on one surface of said layer A, wherein said layer A contains a polypropylene resin having beta-crystal activity and 1 to 20 mass percent particle (a) having an average dispersed diameter of 60 to 400 nm, and wherein, said layer B contains a polypropylene resin and 0.05 to 5 mass percent particle (b) of an average dispersed diameter of 1 to 4 μm. The present invention provides a biaxially oriented white polypropylene film excellent in film quality and productivity and capable of making sensitivity and productivity compatible in a high level when used as a base for a receiving sheet, and a receiving sheet for thermal transfer recording made thereof.

Classifications:

International (IPC 8-9): B41M5/40 C08L23/12 G02B5/08 B32B27/08
B32B27/18 B32B27/20 B32B27/32 B32B3/26 B32B5/16 B32B5/18
B41M5/382 B41M5/41 B41M5/50 B41M5/52
F21V7/22 (Advanced/Invention);
B32B27/20 B41M5/382 G02B5/08 (Advanced/Non-invention);
B32B27/20 B32B27/32 B32B3/26 B32B5/16 B41M5/26 B41M5/40
B41M5/50 G02B5/08 (Core/Invention)
CPC: B32B2264/102 B32B2307/518 B32B2307/7265 B32B2519/00
B41M5/41 B32B27/08 B32B27/18 B32B27/32 B32B27/322
Y10T428/25 Y10T428/256 Y10T428/257 Y10T428/249953 B32B27/20
B41M2205/32
European: B32B27/08 B32B27/18 B32B27/20 B32B27/32
B32B27/32A B41M5/41
US: 428/304.4 428/32.5 428/323 428/328 428/329



Family:

Publication number	Publication date	Application number	Application date
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CN101443193 A	20090527	CN200780017559	20070515
CN101443193 B	20130828	CN200780017559	20070515
DE602007031550 D1	20130905	DE200760031550T	20070515
EP2018962 A1	20090128	EP20070743344	20070515
EP2018962 A4	20120502	EP20070743344	20070515
EP2018962 B1	20130710	EP20070743344	20070515
JP2007132826 A1	20090924	JP20080515552T	20070515
JP5077229 B1	20121121	JP20080515552T	20070515
JP5077229 B2	20121121	JP20080515552T	20070515
KR101385389 B1	20140414	KR20087030510	20070515
KR20090009979 A	20090123	KR20087030510	20070515
TW200804083 A	20080116	TW20070117180	20070515
TWI421166 B	20140101	TW20070117180	20070515
US2009208676 AA	20090820	US20070301018	20070515
US8512828 BB	20130820	US20070301018	20070515
WO07132826 A1	20071122	WO2007JP59909	20070515

Priority:

JP20060136143 20060516 EP20070743344 20070515 WO2007JP59909 20070515
JP20080515552 20070515

Probable Assignee: TORAY IND INC

Assignee(s): (std): AIR TONY CO LTD ; ITOU TATSUYA ; MASUDA JUNICHI ; OHKURA MASATOSHI ; TANAKA SHIGERU ; TORAY INDUSTRIES ; TORAY IND

Assignee(s): TORAY IND INC ; TORAY INDUSTRIES INC

Inventor(s): (std): ITOU TATSUYA ; MASUDA JUNICHI ; OHKURA MASATOSHI ; TANAKA SHIGERU ; TATSUYA ITOU ; SHIGERU TANAKA ; MASATOSHI OHKURA ; JUNICHI MASUDA

Inventor(s): TANAKA SHIGERU OTSU SHI ; OHKURA MASATOSHI OTSU SHI ; MASUDA JUNICHI OTSU SHI ; ITOU TATSUYA 1 1 SONOYAMA 1 CHOME OTSU SHI

Agent(s): LEINWEBER AND ZIMMERMANN; WEBSTER JEREMY MARK ET AL; WEBSTER JEREMY MARK; BIRCH STEWART KOLASCH AND BIRCH; BIRCH STEWART KOLASCH AND BIRCH LLP

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU CY CZ DE DK DM DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SE SG SI SK SL SM SN SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

5) Family number: 41817548 (US2008261011A)

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Title: MICROPOROUS MATERIAL CONTAINING A SECURITY FEATURE

Abstract: Provided is a microporous material, e.g., a microporous sheet material, having a matrix of polyolefin, finely-divided, substantially water insoluble particulate filler, a network of interconnecting pores communicating throughout the microporous material, and at least one retrospectively identifiable taggant material embedded within the matrix, wherein the polyolefin is present in the microporous material in an amount of 20 to 60 weight percent, based on the weight of the microporous material. The taggant material provides a marker, signature or code that is capable of retrospective identification by machine, instrument or by the naked eye. Articles including the microporous material and processes for preparing the microporous material also are provided.

Classifications:

International (IPC 8-9): B29C47/00 B29C47/38 B32B B32B27/32 B32B3/26 B32B5/00 B32B5/22 B42D15/00 C06B C06B23/00 C08J C08J5/18 C08J9/00 C08J9/22 C08J9/28 C08K3/36 C08L23/00 C08L23/02 (Advanced/Invention); B32B27/32 C06B23/00 C08J5/18 C08J9/00 C08L23/00 (Core/Invention); C08J9/00 C08K3/36 C08L23/02 (Core/Non-invention)

International (IPC 1-7): C08L

CPC: Y10T428/249978 Y10T428/24998 Y10T428/249981 Y10T428/249986 C08J5/18 B32B7/12 B32B27/08 B32B27/18 B32B27/20 B32B27/32 B32B2250/03 B32B2250/24 B32B2250/40 B32B2264/102 B32B2264/12 B32B2305/026 B32B2305/30 B32B2425/00 B32B2554/00 C06B23/008 C08J9/28 C08J2201/03 C08J2201/0543 C08J2201/0546 C08J2205/05 C08J2323/02 C08J2323/06

European: B32B27/08 B32B27/18 B32B27/20 B32B27/32 B32B7/12 C06B23/00G C08J5/18 C08J9/28 L32B250/03 L32B250/24 L32B250/40 L32B264/10D L32B264/12 L32B305/02D L32B305/30 L32B425/00 L32B554/00 M08J201/030 M08J201/0543 M08J201/0546 M08J205/050 M08J323/02 M08J323/06

US: 264/211.12 264/211.120S 283/74 283/74P 428/220 428/220P 428/220S 428/315.5 428/315.500S 428/315.9 428/315.900S 428/316.6 428/317.9 521/61 521/64 521/91 521/91S

1424017 - TWI424017_B

七、指定代表圖：

(一)本圖指定代表圖為：(無)

(二)本代表圖之元件符號簡單說明：

八、本案若有化學式時，請揭示最能顯示發明特徵的化學式：

(無)

Family:

Publication number	Publication date	Application number	Application date
AU2011341526 AA	20120621	AU20110341526	20111129
AU2011341526 BB	20150604	AU20110341526	20111129
BR112013015110 A2	20160920	BR20131115110	20111129

CA2821006 AA	20130610	CA20112821006	20111129
CA2821006 C	20160412	CA20112821006	20111129
CN101516806 A	20090826	CN200780034721	20070917
CN103347935 A	20131009	CN201180067054	20111129
EP2064163 A2	20090603	EP20070868339	20070917
EP2064163 B1	20150121	EP20070868339	20070917
HK1136547 A1	20100702	HK20100101895	20100223
HK1189016 A1	20140523	HK20140101984	20140228
IN05332DN2013 A	20160610	IN2013DN05332	20130614
IN300702 B	20180907	IN2013DN05332	20130614
KR20090052365 A	20090525	KR20097005561	20090318
MX2013006921 A1	20130722	MX20130006921	20111129
TH139044 A	20150116	TH20131003286	20111129
TH96280 A	20090630	TH20071004704	20070918
TW200837122 A	20080916	TW20070134953	20070919
TWI424017 B	20140121	TW20070134953	20070919
US2008261011 AA	20081023	US20070855723	20070914
US2011127763 AA	20110602	US20100971726	20101217
US8728617 BB	20140520	US20100971726	20101217
WO08060747 A2	20080522	WO2007US78611	20070917
WO08060747 A3	20080703	WO2007US78611	20070917
WO12082351 A2	20120621	WO2011US62310	20111129
WO12082351 A3	20120726	WO2011US62310	20111129
WO12082351 A9	20130627	WO2011US62310	20111129

Priority:

US20060845575P 20060919 US20070855723 20070914 WO2007US78611 20070917
US20100971726 20101217 WO2011US62310 20111129

Probable Assignee: PPG IND OHIO INC

Assignee(s): (std): BENENATI PAUL L ; BOYER JAMES L ; PPG IND OHIO INC ; COLEMAN CHARLES R ; PARRINELLO LUCIANO M ; RAMAN NARAYAN K

Assignee(s): PPG INDUSTRIES OHIO INC US ; PPG INDUSTRIES OHIO INC ; PPG IND

Inventor(s): (std): BENENATI PAUL L ; BOYER JAMES L ; COLEMAN CHARLES R ; RAMAN NARAYAN K ; PARRINELLO LUCIANO M

Inventor(s): PAUL L BENENATI ; NARAYAN K RAMAN ; CHARLES R COLEMAN ; JAMES L BOYER ; LUCIANO M PARRINELLO

Agent(s): KING AND WOOD MALLESONS; MINTER ELLISON; BORDEN LADNER GERVAIS LLP; POLYPATENT; F AND E PATENT; CLT PATENT AND TRADEMARK HK LTD; DEBORAH M ALTMAN PPG IND INC; DEBORAH M; ALTMAN DEBORAH M ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT QA RO RS RU RW SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

6) Family number: 42118072 (US2010143627A)

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Title: MULTILAYER FILM AND CONTAINER

Abstract: To provide a multilayer film and a container formed of the multilayer film which are excellent in unsealability, transparency, mechanical strength and sterilization heat resistance and are capable of preventing exudation of additives from the film into a liquid contained in the container. In a multilayer film including a first layer (1), a second layer (2), a third layer (3), a fourth layer (4) and a fifth layer (5) stacked in this order, the first layer (1) is composed of a propylene-ethylene random copolymer and/or a polypropylene homopolymer, and the second layer (2) and the fourth layer (4) are each composed of a mixture of a propylene-ethylene random copolymer and an α -olefin elastomer. The third layer (3) is composed of a mixture of a polycycloolefin and a polyethylene, and the fifth layer (5) is composed of a mixture containing a polypropylene homopolymer and a propylene-ethylene random copolymer in a weight ratio of 90:10 to 10:90. A container is formed of the multilayer film with an outer layer and an inner layer thereof being defined by the first layer (1) and the fifth layer (5), respectively.

Classifications:

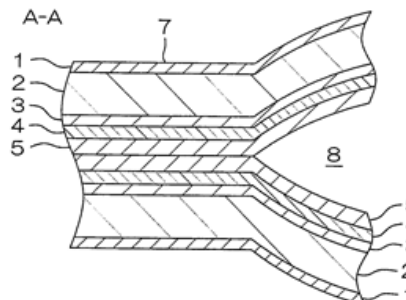
International (IPC 8-9): A61J1/05 A61J1/10 B32B1/02 B32B27/08 B32B27/32 B32B7/02 B65D B65D65/40 (Advanced/Invention); B32B1/08 B65D30/02 (Advanced/Non-invention); A61J1/05 B32B1/00 B32B27/08 B32B27/32 B32B7/02 B65D65/40 C08G63/88 (Core/Invention)

International (IPC 1-7): A61J1/05 B32B27/32 B65D65/40
CPC: Y10T428/13 Y10T428/1303 Y10T428/1352 Y10T428/1359 Y10T428/139 Y10T428/2495 A61J1/2093 A61J1/10 A61M2207/00 Y10T428/31913 Y10T428/31924 B32B2250/05 B32B2270/00 B32B2307/306 B32B2307/412 B32B2307/558 B32B2307/748 B32B2439/00 B32B2439/80 A61J1/2024 B32B27/08 B32B27/32 B65D65/40

European: A61J1/20D B32B27/08 B32B27/32 B65D65/40 K61J1/10 K61J1/20A4A K61M207/00

US: 428/213 428/213S 428/34.1 428/34.2 428/35.7 428/35.700P 428/35.9 428/36.9 428/516 428/519 428/519S

PatBase - US2010143627_AA



Family:

Publication number	Publication date	Application number	Application date
AU2008218065 AA	20080828	AU20080218065	20080218
AU2008218065 BB	20110929	AU20080218065	20080218
CN101657328 A	20100224	CN200880005799	20080218

CN101657328 B	20121226	CN200880005799	20080218
DE602008034888 D1	20141127	DE200860034888T	20080218
EG25397 A	20111227	EG20090081272	20090823
EP2127866 A1	20091202	EP20080711492	20080218
EP2127866 A4	20110831	EP20080711492	20080218
EP2127866 B1	20141015	EP20080711492	20080218
IN06027DN2009 A	20130823	IN2009DN06027	20090921
IN291658 B	20180119	IN2009DN06027	20090921
JP2008102733 A1	20100527	JP20090500174T	20080218
JP5340909 B1	20131113	JP20090500174T	20080218
JP5340909 B2	20131113	JP20090500174T	20080218
KR101406374 B1	20140612	KR20097016982	20080218
KR20090110853 A	20091022	KR20097016982	20080218
TH111484 A	20111228	TH20081000831	20080220
TH60904 B	20180222	TH20081000831	20080220
TW200843953 A	20081116	TW20080106230	20080222
TWI432323 B	20140401	TW20080106230	20080222
US2010143627 AA	20100610	US20080528305	20080218
US8784958 BB	20140722	US20080528305	20080218
VN12596 A1	20140526	VN20090001996	20080218
WO08102733 A1	20080828	WO2008JP52668	20080218

Priority:

JP20070044067 20070223 EP20080711492 20080218 WO2008JP52668 20080218
JP20090500174 20080218

Probable Assignee: OTSUKA PHARMACEUTICAL FACTORY INC

Assignee(s): (std): INOUE FUJIO ; MORIMOTO YASUSHI ; OTSUKA PHARMA CO LTD ; OTSUKA PHARMA CO LTD JP ;
TATEISHI ISAMU ; OTSUKA PHARMACEUT FACTORY INC

Assignee(s): OTSUKA PHARMACEUTICAL FACTORY INC NARUTO SHI ; OTSUKA PHARMACEUTICAL FACTORY INC ;
OTSUKA PHARMA CO

Inventor(s): (std): FUJIO INOUE ; ISAMU TATEISHI ; YASUSHI MORIMOTO ; TATEISHI ISAMU ; MORIMOTO YASUSHI ;
INOUE FUJIO

Agent(s): GRIFFITH HACK; HOFFMANN EITLE PATENT U RECHTSANWAELTE PARTMBB; HOFFMANN EITLE;
FINNEGAN HENDERSON FARABOW GARRETT AND DUNNER LLP; INAOKA KOSAKU ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CM CN CO CR CU
CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL
IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT
MW MX MY MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN SV SY
SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

7) Family number: 42176639 (US2008234652A)

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Title: APPARATUS AND METHODS FOR MAKING, STORING, AND ADMINISTERING FREEZE-DRIED MATERIALS SUCH AS
FREEZE-DRIED PLASMA

Abstract: A freeze-dried material is stored in a first chamber of a container along with a reconstituting liquid for the freeze-dried material, which is stored in a second chamber of the container. A sealing wall within the container forms a barrier between the first chamber and the second chamber preventing contact between the freeze-dried material and the reconstituting liquid. At least one valve assembly in the sealing wall selectively opens a region of the sealing wall to establish fluid flow communication between the first and second chambers, allowing the freeze dried material to be reconstituted. The reconstituted freeze-dried material can be administered from the same container to a recipient.

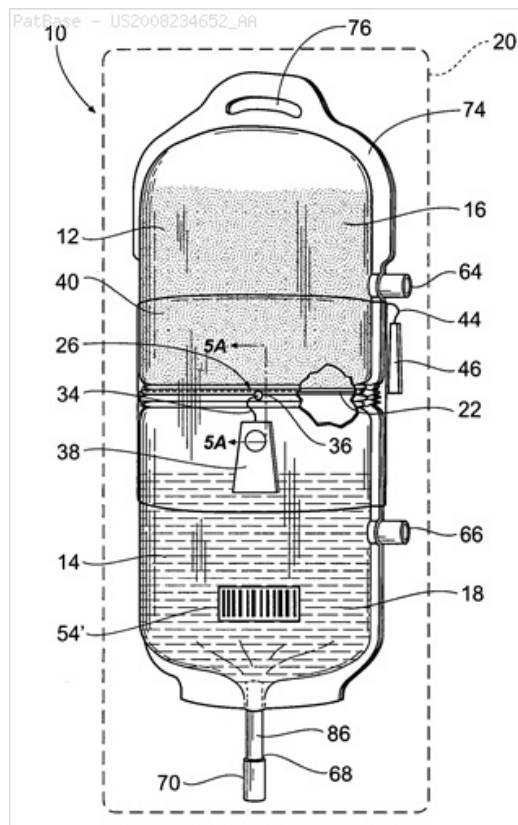
Classifications:

International (IPC 8-9): A61B19/00 A61J1/00 A61J1/05 A61J1/10
A61J1/14 A61J3/00 A61K35/14 A61K35/16 A61K38/00 A61K9/19
A61M5/32 A61P7/08 B01L3/00 F26B5/06 (Advanced/Invention);
A61B19/00 A61J1/05 A61J1/10 A61K35/14 A61K35/16 A61K38/00
A61M5/32 A61P7/00 B01L3/00 F26B5/04 (Core/Invention);
A61K (Subclass/Invention)

CPC: A61J2205/10 A61J1/1475 A61M2039/1061 A61J1/201
A61J1/2013 A61J1/2027 A61J1/2037 A61B50/10 A61B50/13
A61B50/30 A61B90/96 A61J1/2093 F26B5/06 A61J1/10

European: A61B19/02F A61B19/02P A61J1/10 A61J1/14P
A61J1/20D F26B5/06 K61B19/02F2 K61B19/44B K61J1/14P
K61J1/20A2B K61J1/20A4B K61J1/20A4E K61M39/10T

US: 34/284 34/284P 34/284S 34/287 34/287S 34/92 34/92S 604/403
604/408 604/410 604/410P 604/415 604/416 604/416P 604/416S
604/518 604/518S



Publication number	Publication date	Application number	Application date
AU2008229322 AA	20080925	AU20080229322	20080319
AU2009292682 AA	20100325	AU20090292682	20090915
CA2680658 AA	20080925	CA20082680658	20080319
CA2736041 AA	20100325	CA20092736041	20090915
CN101678070 A	20100324	CN200880016560	20080319
EP2136830 A2	20091230	EP20080727027	20080319
EP2323767 A1	20110525	EP20090806956	20090811
EP2338016 A1	20110629	EP20090814875	20090915
EP2396615 A1	20111221	EP20100741504	20100208
IL201057 A0	20100517	IL20080201057	20080319
JP2010522176 T2	20100701	JP20090554578T	20080319
JP2012500041 T2	20120105	JP20110522983T	20090811
JP2012502903 T2	20120202	JP20110526867T	20090915
KR20100014733 A	20100210	KR20097020568	20080319
US2008234652 AA	20080925	US20070725352	20070319
US2008234653 AA	20080925	US20070881493	20070727
US2008234654 AA	20080925	US20080077397	20080319
US2009107001 AA	20090430	US20080283885	20080916
US2009113753 AA	20090507	US20080228745	20080815
US2009223080 AA	20090910	US20090378470	20090213
US2011144613 AA	20110616	US20090059221	20090811
US7776022 BB	20100817	US20070725352	20070319
US8449520 BB	20130528	US20080228745	20080815
WO08115548 A2	20080925	WO2008US03676	20080319
WO08115548 A3	20081106	WO2008US03676	20080319
WO10019217 A1	20100218	WO2009US04592	20090811
WO10033169 A1	20100325	WO2009US05132	20090915
WO10093429 A1	20100819	WO2010US00351	20100208

US20070725352	20070319	US20070881493	20070727	US20080077397	20080319
WO2008US03676	20080319	US20080228745	20080815	US20080283885	20080916
US20090378470	20090213	US20090059221	20090811	WO2009US04592	20090811
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Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT RO RS RU SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

8) Family number: 51892479 (US2014004284A)

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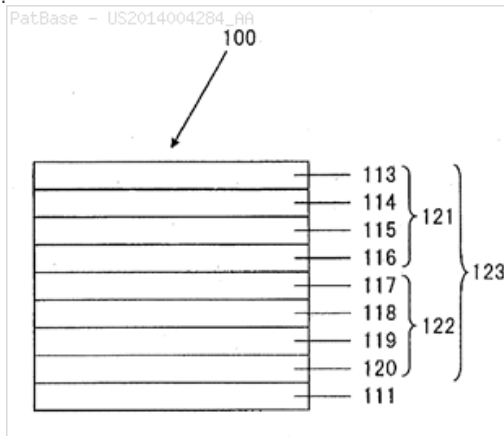
Title: PACKAGING MATERIAL FOR BLOOD BAG AND BLOOD BAG PACKAGING

Abstract: A packaging material for blood bags includes a laminate film, wherein the laminate film includes a base layer, an inorganic deposited layer formed on top of the base layer, a layer containing a polymer of an unsaturated carboxylic acid compound polyvalent metal salt formed on top of the inorganic deposited layer, and a layer containing a polymer of an unsaturated carboxylic acid compound polyvalent metal salt and a vinyl alcohol based polymer formed on top of the layer, laminating at least two laminate films with the layers on the inside to form a laminate film, and laminating a heat seal layer on top of at least either one of the base layers of the laminate film. The packaging material can exhibit relatively high water vapor permeation resistance and excellent transparency and stability.

Classifications:

International (IPC 8-9): A61J1/10 A61J1/14 B32B1/00 B32B1/02 B32B15/00 B32B15/04 B32B19/00 B32B27/00 B32B27/06 B32B27/08 B32B27/28 B32B27/30 B32B27/32 B32B27/34 B32B27/36 B32B3/00 B32B7/00 B32B7/02 B32B7/04 B32B7/12 B32B9/00 B65D65/40 (Advanced/Invention); B32B27/08 B32B27/36 B65D75/26 B65D77/20 (Advanced/Non-invention)

CPC: A61J1/10 B32B27/08 Y10T428/1334 B32B1/00 B32B1/02 B32B3/00 B32B7/00 B32B7/02 B32B7/04 B32B7/12 B32B9/00 B32B15/00 B32B19/00 B32B27/00 B32B27/06 B32B27/28 B32B27/281 B32B27/30 B32B27/306 B32B27/308 B32B27/32 B32B27/34 B32B27/36 B32B2250/24 B32B2255/10 B32B2255/20 B32B2255/26 B32B2255/28 B32B2307/31 B32B2307/412 B32B2307/518 B32B2307/7246 B32B2439/46 B32B2439/80 B65D75/26 B65D77/2024 Y10T428/31678 Y10T428/31757 Y10T428/31797 Y10T428/31928 Y10T428/1338 Y10T428/1341 Y10T428/1352 Y10T428/1359 Y10T428/1383
European: B32B27/08 B32B27/28A B32B27/36 L32B250/24 L32B255/10 L32B255/20 L32B255/26 L32B255/28 L32B307/310 L32B307/412 L32B307/518 L32B307/724B4 L32B439/46 L32B439/80
US: 428/35.2 428/35.3 428/35.4 428/35.7 428/35.9 428/36.7 428/457 428/470 428/476.9 428/483 428/520 428/689



Family:

Publication number	Publication date	Application number	Application date
EP2682092 A1	20140108	EP20120752595	20120301
EP2682092 A4	20140924	EP20120752595	20120301
JP2012179248 A2	20120920	JP20110044300	20110301
JP5822488 B2	20151124	JP20110044300	20110301
US2014004284 AA	20140102	US20130013658	20130829
US8968879 BB	20150303	US20130013658	20130829
WO12118158 A1	20120907	WO2012JP55268	20120301

Priority:

JP20110044300 20110301 WO2012JP55268 20120301

Probable Assignee: TERUMO CORP

Assignee(s): (std): INABA TAKUYA ; MITSUI CHEMICALS TOHCELLO INC ; TERUMO CORP ; YAO TAKAYOSHI

Assignee(s): TERUMO KABUSHIKI KAISHA ; TERUMO KK

Inventor(s): (std): INABA TAKUYA ; YAO TAKAYOSHI

Agent(s): TBK; AOKI ATSUSHI; KOGA TETSUJI; ISHIDA TAKASHI; BUCHANAN INGERSOLL AND ROONEY PC; AOKI ATSUSHI ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT QA RO RS RU RW SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

9) Family number: 52887592 (US2014154798A)

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Title: RED BLOOD CELL STORAGE CONTAINER

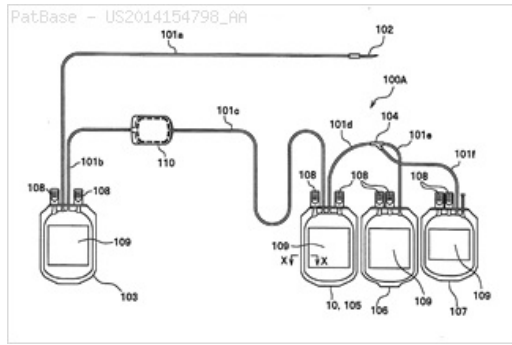
Abstract: Red blood cell storage container includes: a container body made of a resin composition consisting of at least one of: polyolefin polymer, polyamide polymer, polyurethane polymer, polystyrene polymer, polybutadiene polymer, polyester polymer, fluoropolymer, polycarbonate polymer, polyacrylic polymer, and polysulfone polymer; and a coating part formed on an inner surface of the coating body and made of diamond-like carbon.

Classifications:

International (IPC 8-9): A01N1/02 A61J1/10 A61J3/00 B32B9/00 B65D30/02 B65D65/02 C08J7/04 (Advanced/Invention); B65D30/02 (Advanced/Non-invention)

CPC: A61J1/10 A01N1/0263 A01N1/0226 A61J1/1468

US: 435/307.1



Family:

Publication number	Publication date	Application number	Application date
CN103717194 A	20140409	CN201280037501	20120727
CN103717194 B	20180227	CN201280037501	20120727
DE602012050200 D1	20180920	DE201260050200T	20120727
EP2737890 A1	20140604	EP20120818298	20120727
EP2737890 A4	20150114	EP20120818298	20120727
EP2737890 B1	20180822	EP20120818298	20120727
JP2013015420 A1	20150223	JP20130525784T	20120727
JP6031441 B1	20161124	JP20130525784T	20120727
US2014154798 AA	20140605	US20120128778	20120727
WO13015420 A1	20130131	WO2012JP69204	20120727

Priority:

JP20110165185 20110728 EP20120818298 20120727 WO2012JP69204 20120727

Probable Assignee: TERUMO CORP

Assignee(s): (std): KOYAMA MIYUKI ; TAKEDA NORIHIKO ; TERUMO CORP

Assignee(s): TERUMO KABUSHIKI KAISHA ; TERUMO KK

Inventor(s): (std): KOYAMA MIYUKI ; TAKEDA NORIHIKO

Inventor(s): TAKEDA NORIHIKO FUJINOMIYA SHI SHIZUOKA ; KOYAMA MIYUKI ASHIGARAKAMI GUN

Agent(s): TBK; ISONO MICHIZO; ISONO INT PATENT OFFICE PC

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT QA RO RS RU RW SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

10) Family number: 53002793 (US2014154442A)

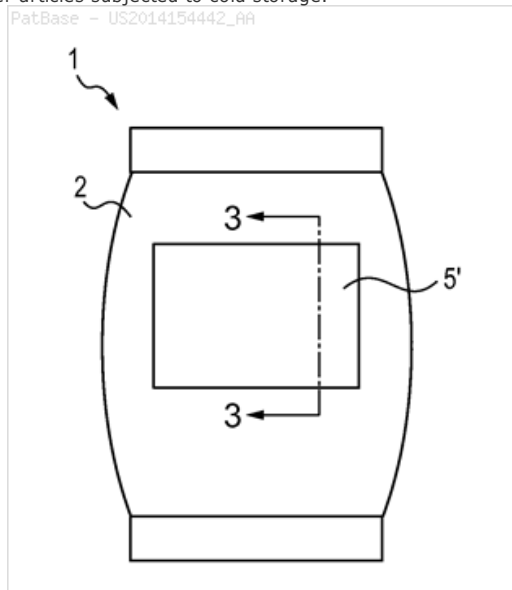
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Title: LABELS SUBJECT TO CONDENSATION

Abstract: Label systems for cold environment use and application are described. The label systems comprise a first label assembly adhered to an article subjected to cold temperatures and a second label assembly that is readily applied to the first label assembly, and particularly when the first label assembly is at a relatively cold temperature. The label systems described are particularly well suited for labeling blood bags and other articles subjected to cold storage.

Classifications:

International (IPC 8-9): A61J1/10 A61J1/18 B32B38/10 G09F3/00 G09F3/02 G09F3/10 (Advanced/Invention)
CPC: A61J1/10 A61J2205/30 G09F3/02 G09F2003/0216 G09F3/0288 A61J1/18 B32B38/10 Y10T428/1334 Y10T428/14 Y10T428/1476 Y10T428/2848 G09F3/10 F04C2270/041
US: 156/249 428/35.2 428/354 428/40.1 428/41.8



Family:

Publication number	Publication date	Application number	Application date
CN103843051 A	20140604	CN201280048493	20120731
CN103843051 B	20180424	CN201280048493	20120731
EP2740116 A1	20140611	EP20120751644	20120731

IN00945DN2014 A	20150130	IN2014DN00945	20140210
US2014154442 AA	20140605	US20120236780	20120731
WO13019799 A1	20130207	WO2012US49004	20120731

Priority:

US20110513912P 20110801 US20120236780 20120731 WO2012US49004 20120731

Probable Assignee: AVERY DENNISON CORP

Assignee(s): (std): AVERY DENNISON CORP ; BENT HUIG

Inventor(s): (std): BENT HUIG

Agent(s): MUELLER BORE AND PARTNER PATENTANWALTE PARTG MBB; RUIC AMBER C ET AL

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PE PG PH PL PT QA RO RS RU RW SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

11) Family number: 56396437 (US2014127492A)

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Title: COPOLYMER MEMBRANES, FIBERS, PRODUCTS AND METHODS

Abstract: In accordance with at least selected embodiments, the present invention is directed to novel, improved, or modified porous membranes, fibers, porous fibers, products made from such membranes, fibers or porous fibers, and/or related methods of production, use, and/or the like. In accordance with at least certain embodiments, the present invention is directed to novel, improved, or modified microporous membranes or films, fibers, microporous fibers, materials or layers made from such membranes, fibers or porous fibers, and the like for use in textile materials, garments, products, and/or textile related applications. Microporous membranes, fibers, and/or microporous fibers are made of one or more copolymers, such as block or impact copolymers, or of at least one polyolefin combined with at least one copolymer as a means of improving the hand, drape, and/or surface coefficient of friction performance properties for use in textile garments, textile materials or textile related applications.

Classifications:

International (IPC 8-9): A41D31/00 A45D44/00 A47K10/16 A47L13/16 B29C55/12 B29C70/88 B29D99/00 C08F299/00 C08J5/18 C08J9/00 D01D5/24 D01D5/247 D01F6/04 D01F6/30 D01F6/46 D04H1/4291 D04H1/4382 D04H1/4391 G02C13/00 (Advanced/Invention)

CPC: B29K2101/00 B29L2031/755 B29D99/005 C08J5/18 D01F6/46 A41D2400/22 D01F6/30 Y10T428/249921 Y10T428/2975 A41D31/00
US: 15/104.001 15/209.1 264/49 428/220 428/221 428/398 521/143 525/323

PatBase - US2014127492_AA

"-A-A-B-B-A-A-B-B-A-A-"

"-A-A-A-A-B-B-B-B-"

"A-A-B-B-B-B-A-A-B-B-B-B-A-A-"

Where A= Monomer A

and B= Monomer B

Figure 1. Examples of Types of Block Copolymers.

Family:

Publication number	Publication date	Application number	Application date
CN104884693 A	20150902	CN201380064563	20131105
CN105873484 A	20160817	CN201480067995	20141016
CN107385536 A	20171124	CN201710602365	20131105
JP2016500749 T2	20160114	JP20150540857T	20131105
JP2017500070 T2	20170105	JP20160524005T	20141016
KR20150082537 A	20150715	KR20157014989	20131105
KR20150087408 A	20150729	KR20157016673	20131105
US2014127492 AA	20140508	US20130072117	20131105
US2015107042 AA	20150423	US20140515755	20141016
US2017362745 AA	20171221	US20170695348	20170905
US9783914 BB	20171010	US20130072117	20131105
WO14074502 A1	20140515	WO2013US68461	20131105
WO15057929 A1	20150423	WO2014US60839	20141016

Priority:

US20120723058P 20121106 US20130892730P 20131018 CN201380064563 20131105
US20130072117 20131105 WO2013US68461 20131105 US20140515755 20141016
WO2014US60839 20141016 US20170695348 20170905

Probable Assignee: CELGARD LLC

Assignee(s): (std): CELGARD LLC

Assignee(s): CELGARD LLC F K A CELGARD INC ; BANK OF AMERICA NA ADMINISTRATIVE AGENT AS

Inventor(s): (std): HUMISTON KARL F ; STOKES KRISTOFFER K ; ZHANG XIAOMIN ; MASON WILLIAM JOHN ; ADAMS CHANGQING WANG

Agent(s): YAMADA YUKI; HIROSE HAJIME; MORI TETSUYA; HAMMER AND ASSOCIATES PC; HAMMER ROBERT H III ET AL; HAMMER III ROBERT H

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

12) Family number: 60955464 (US2017140676A)

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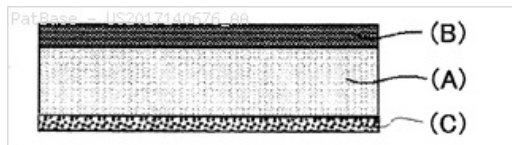
Title: LABEL, METHOD FOR PRODUCING LABEL, METHOD FOR USING LABEL, AND ADHEREND HAVING LABEL

Abstract: A label containing a base layer (A) and an adhesive layer (C) provided in contact with one surface of the base layer (A), wherein the base layer (A) contains a thermoplastic resin and at least one of inorganic fine powder and an organic filler, and the base layer (A) is stretched in at least one direction, and the film has an internal bond strength measured according to TAPPI T569 of from 0.4 to 0.95 kg·cm on a side of the adhesive layer (C) and from 0.4 to 1.5 kg·cm on a side opposite thereto, is easily recognized by the naked eye for the fact that the film has been peeled from an adherend, and is difficult to be restored by re-adhering after peeling.

Classifications:

International (IPC 8-9): B31D1/02 B32B27/00 B32B27/08 B32B27/18 B32B27/20 B32B27/22 B32B27/30 B32B27/32 B32B27/34 B32B27/36 B32B3/14 B32B3/26 B32B3/30 B32B7/02 B32B7/06 B32B7/12 G09F3/00 G09F3/03 G09F3/10 (Advanced/Invention)

CPC: G09F3/00 B31D1/021 B32B7/12 B31D2201/02 B32B2405/00 B32B2519/00 G09F3/03 B31D1/02 B32B7/02 G09F3/10 B32B7/06 B32B27/08 B32B27/18 B32B27/20 B32B27/205 B32B27/22 B32B27/302 B32B27/32 B32B27/34 B32B27/36 B32B27/365 B32B2255/10 B32B2255/26 B32B2264/102 B32B2264/104 B32B2307/4023 B32B2307/50 B32B2307/516 B32B2307/518 B32B2307/54 B32B2307/72 B32B2519/02



Family:

Publication number	Publication date	Application number	Application date
AR100643 AA	20161019	AR2015P101681	20150528
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CN106575491 A	20170419	CN201580028479	20150519
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EP3151218 A4	20180124	EP20150799595	20150519
IN201617042789 A	20170324	IN201617042789	20161215
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MX2016015582 A1	20170504	MX20160015582	20150519
TW201608540 A	20160301	TW20150116313	20150521
US2017140676 AA	20170518	US20150308662	20150519
WO15182435 A1	20151203	WO2015JP64291	20150519

Priority:

JP20140111580 20140529 WO2015JP64291 20150519

Probable Assignee: YUPO CORP

Assignee(s): (std): YUPO CORP

Inventor(s): (std): IWASAWA YUTA ; KAZUHISA KITAMURA ; KITAMURA KAZUHISA ; TAKAHIRO ZAMA ; YUTA IWASAWA ; ZAMA TAKAHIRO

Agent(s): ZIMMERMANN AND PARTNER PATENTANWALTE MBB; SIKS AND CO

Designated states: AE AG AL AM AO AT AU AZ BA BB BE BF BG BH BJ BN BR BW BY BZ CA CF CG CH CI CL CM CN CO CR CU CY CZ DE DK DM DO DZ EC EE EG ES FI FR GA GB GD GE GH GM GN GQ GR GT GW HN HR HU ID IE IL IN IR IS IT JP KE KG KM KN KP KR KZ LA LC LI LK LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY MZ NA NE NG NI NL NO NZ OM PA PE PG PH PL PT QA RO RS RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TG TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

13) Family number: 8368082 (WO9309195A1)

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Title: MICROPOROUS PRESSURE SENSITIVE ADHESIVE COATED SHEETING

Abstract: A microporous olefin substrate coated with pressure sensitive adhesive. The microporous olefin substrate has the property of entrapping a plasticizer migrating from plasticized polymeric surfaces to which it is applied, particularly plasticized polyvinylchloride. The microporous olefin substrate is preferably formed of a high molecular weight polyolefin such as a microporous high molecular weight polyethylene. The sheeting preferably is heat resistant so that it does not distort, crease or wrinkle when applied to a plasticized surface and exposed to elevated temperatures such as 400 DEG F (204 DEG C).

Classifications:

International (IPC 8-9): B32B27/08 C08L23/06 C09J133/06 C09J7/02 G09F3/02 G09F3/10 (Advanced/Invention); C08L23/06 C09J133/06 C09J7/02 G09F3/02 (Advanced/Non-invention); C09J133/06 C09J7/02 G09F3/02 G09F3/10 (Core/Invention); C08L23/00 G09F3/02 (Core/Non-invention)

International (IPC 1-7): B32B27/08 B32B27/32 C09J7/02 G09F3/02 G09F3/10

CPC: C09J7/22 C09J7/26 C09J7/38 G09F3/10 C08L23/06 G09F2003/0201 G09F2003/0225 G09F2003/0226 G09F2003/023 G09F2003/0241 G09F2003/0257 G09F2003/0272 G09F2003/0273 G09F2003/0279

European: C09J7/02K4 C09J7/02K9B6 G09F3/10 M08L23/06 S09F3/02A1 S09F3/02A14 S09F3/02A17 S09F3/02A17A S09F3/02A19 S09F3/02A7 S09F3/02A7A S09F3/02A8 S09F3/02A9B

PatBase - CA2120608_AA

**SUBSTITUTE
REPLACEMENT**

SECTION is not Present

Cette Section est Absente

Family:

Publication number	Publication date	Application number	Application date
 AU199230619 A1	19930607	AU19920030619	19921103
 AU666688 B2	19960222	AU19920030619	19921103
 CA2120608 AA	19940405	CA19922120608	19921103
 CZ9401043 A3	19941019	CZ19940001043	19921103
 DE69208680 D1	19960404	DE19926008680	19921103
 DE69208680 T2	19961031	DE19926008680T	19921103
 DK0611386 T3	19960722	DK19920924231T	19921103
 EP0611386 A1	19940824	EP19920924231	19921103
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 JP7500863 T2	19950126	JP19930508670T	19921103
 KR19940702915 A	19940917	KR19940701469	19940503
 KR19947002915 A	19940917	KR19947001469	19921103
 WO9309195 A1	19930513	WO1992US09423	19921103

Priority:

US19910787535 19911104 WO1992US09423 19921103

Probable Assignee: 3M CO

Assignee(s): (std): 3M CO ; MINNESOTA MINING AND MFG

Assignee(s): MINNESOTA MINING AND MFG CO ; MINNESOTA MINING AND MFG CO SAINT PAUL MINN US ; BARTUSIAK JOSEPH T ; DEJONG DEJ ; KINZER KEVIN E ; MINNESOTA MINING AND MANUFACTURING COMPANY

Inventor(s): (std): BARTUSIAK JOSEPH T ; DEJONG DEJ ; KINZER KEVIN E ; KINZER KEVIN ; BARTUSIAK JOSEPH

Inventor(s): DEJONG DEJ SAINT PAUL MN 55133 3427 US ; BARTUSIAK JOSEPH T SAINT PAUL MN 55133 3427 US ; KINZER KEVIN E SAINT PAUL MN 55133 3427 US ; JOSEPH T BARTUSIAK ; KEVIN E KINZER ; DEJ DEJONG

Agent(s): SPRUSON AND FERGUSON; ASPEN PHARMA PTY LTD; SMART AND BIGGAR

Designated states: AT AU BE CA CH CS DE DK ES FR GB GR IE IT JP KR LU MC NL SE US