

Search history

Search 1: SFT=((fog* or frost*) and layer* and reflect*) (Results 33170)
Search 2: 1 and adhesive (Results 9543)
Search 3: 2 and (polymer* near layer*) (Results 2588)
Search 4: 3 and (adhesive near therma*) (Results 130)
Search 5: 4 and (adhesive near pressur*) (Results 74)
Search 6: 5 and PD<20141031 (Results 57)
Search 7: 6 and laminat* (Results 57)

Title: SYSTEM AND METHOD FOR COLOR-CHANGING DECORATIVE CONSTRUCTION MATERIALS

Abstract: A system and method for decorative elements having multiple visual appearances. The decorative elements may present different colors and/or other visual appearance characteristics and yet function as a durable construction material, like a traditional brick, tile or shingle. The decorative elements may receive a mechanical operation that permanently physically alters the decorative element, such as a cutting, sawing, drilling or molding operation, while the decorative element is functional to provide a controllable visual appearance both before and after the physical alteration. The decorative elements may be autonomous in that power needed to change visual appearance states can be gathered by an integrated energy harvesting device, such as a solar cell. A color chip system may be used to select decorative element features.

Classifications:

International (IPC 8-9): B32B3/00 E04B2/88 E04F13/08 E04F15/02 G02F1/13 (Advanced/Invention);

B32B3/00 E04B2/88 E04F13/08 E04F15/02 G02F1/13 (Core/Invention)

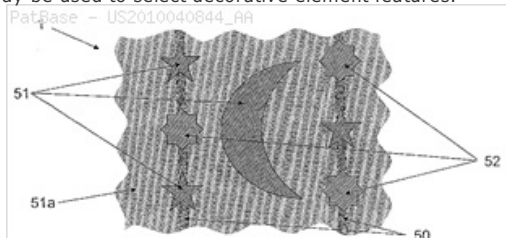
CPC: E04F13/08 E04F13/145 E04F15/02 E04F2290/026

G02F1/133305 G02F1/1334 G02F1/13473

European: E04F13/08 E04F13/14H E04F15/02 G02F1/1333B

G02F1/1334 G02F1/1347A2 P04F290/02D

US: 428/195.1 428/201 428/203 428/203P 428/204 52/311.1



Family:

Publication number	Publication date	Application number	Application date
US2010040844 AA	20100218	US20090605270	20091023
US8603613 BB	20131210	US20090605270	20091023
WO08134019 A2	20081106	WO2008US05396	20080425
WO08134019 A3	20090129	WO2008US05396	20080425

Priority:

US20070926099P 20070425

WO2008US05396 20080425

US20090605270 20091023

Probable Assignee: TESSERAEE TECHNOLOGIES

Assignee(s): (std): LARSON ERIK ; TESSERAEE TECHNOLOGIES ; TESSERAEE TECHNOLOGIES CORP

Inventor(s): (std): LARSON ERIK

Agent(s): WOLF GREENFIELD AND SACKS PC; NORFLEET WALT

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 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

Title: BIAXIALLY ORIENTED **LAMINATED** POLYPROPYLENE FILM AND USES THEREOF

Abstract: A biaxially oriented **laminated** polypropylene film comprising a biaxially oriented polypropylene film substrate **layer** (B) made from a propylene-based polymer composition (A) in which an inorganic compound powder (a2) has been added to a propylene-based polymer (a1), the biaxially oriented polypropylene film substrate **layer** (B) has a front surface **layer** and a back surface **layer** on its both sides, both **layers** are made from the propylene-based polymer (a1), wherein the surface roughness (three-dimensional center-line roughness S_{Ra}) of the front and the back surface **layers** is less than 0.08 μm and the gloss value (at an incidence angle of 60 degrees) is 114 percent or greater, and the total light transmittance of the **laminated** polypropylene film is 20 percent or less and the density is in the range of 0.40 to 0.65 grams per cubic centimetre.

Classifications:

International (IPC 8-9): B32B15/00 B32B27/00 B32B27/32 B32B5/02 B32B7/02 B41M5/382 B41M5/50 B41M5/52 C08J7/04 C08K3/00 C08L23/10 (Advanced/Invention);

B32B15/00 B32B27/00 B32B27/32 B32B5/02 B41M5/26 B41M5/50 (Core/Invention)

CPC: Y10T428/256 Y10T428/31587 Y10T428/31692 Y10T428/31855 B41M2205/32 B41M5/41 B41M2205/02 B32B27/06 B32B7/12 B32B2255/10 B32B2307/518 B32B2323/10 B32B2375/00 B32B27/32

European: B32B27/32 L41M5/50B6

US: 428/328 428/328P 428/424.8 428/424.800S 428/461 428/461S 428/500 428/500S

Family:

Publication number	Publication date	Application number	Application date
 CN101160209 A	20080409	CN200680012748	20060512
 CN101160209 B	20101201	CN200680012748	20060512
 DE602006023067 D1	20110908	DE200660023067T	20060512
 EP1880844 A1	20080123	EP20060732645	20060512
 EP1880844 A4	20090708	EP20060732645	20060512
 EP1880844 B1	20110713	EP20060732645	20060512
 JP2006121217 A1	20081218	JP20070528353T	20060512
 JP4941941 B1	20120530	JP20070528353T	20060512
 JP4941941 B2	20120530	JP20070528353T	20060512
 US2009098364 AA	20090416	US20060920238	20060512
 WO06121217 A1	20061116	WO2006JP309985	20060512

Priority:

JP20050140943 20050513 EP20060732645 20060512 WO2006JP309985 20060512
WO2006JP09985 20060512 JP20070528353 20060512

Probable Assignee: TOHCELLO CO LTD

Assignee(s): (std): HONDA HIROSHI ; KUBO NAOKI ; OJI PAPER CO ; SHIMIZU YOSHIHIRO ; TSUKADA CHIKARA ; TOHCELLO CO LTD

Assignee(s): TOHCELLO CO ; OJI PAPER CO LTD ; OJI PAPER COMPANY LIMITED

Inventor(s): (std): CHIKARA TSUKADA ; HIROSHI HONDA ; YOSHIHIRO SHIMIZU ; TSUKADA CHIKARA ; SHIMIZU YOSHIHIRO ; KUBO NAOKI ; HONDA HIROSHI ; NAOKI KUBO

Inventor(s): SHIMIZU YOSHIHIRO C O OJI PAPER CO LTD ; TSUKADA CHIKARA C O OJI PAPER CO LTD ; TSUKADA CHIKARAC O OJI PAPER CO LTD ; SHIMIZU YOSHIHIRO C O OJI PAPER CO LTD ; HONDA HIROSHI C O TOHCELLO CO LTD KOGA SHI ; HONDA HIROSHI C O TOHCELLO CO LTD ; KUBO NAOKI C O OJI PAPER CO LTD ; KUBO NAOKIC O OJI PAPER CO LTD

Agent(s): COHAUSZ AND FLORACK PATENT U RECHTSANWAELTE PARTNERSCHAFTSGESELLSCHAFT MBB; HARRISON IVOR STANLEY ET AL; HARRISON IVOR STANLEY; AOKI ATSUSHI; ISHIDA TAKASHI; FUKUMOTO TSUMORU; KOGA TETSUJI; KRATZ QUINTOS AND HANSON LLP

Designated states: AE AG AL AM AT AU AZ BA BB BE BF BG 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 GW HR HU ID IE IL IN IS IT JP KE KG KM KN KP KR KZ LC LR LS LT LU LV LY MA MC MD MG MK ML MN MR MW MX MZ NA NE NG NI NL NO NZ OM PG PH PL PT RO RU SC SD SE SG SI SK SL SM SN SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

Title: OPTHALMIC BLOCKING PAD

Abstract: An ophthalmic blocking pad includes a foam **layer**, a film **layer** disposed over and directly contacting the foam **layer**, and an **adhesive layer** disposed over the film **layer**. The film **layer** has a tensile strength of at least about 25 ksi (172 MPa).

Classifications:

International (IPC 8-9): B24B1/00 B24B13/005

B32B33/00 (Advanced/Invention);

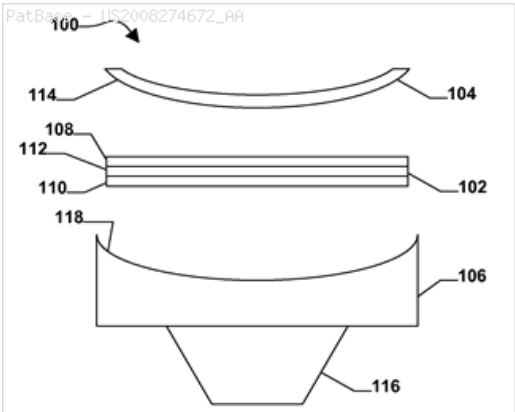
B24B1/00 B24B13/005 (Core/Invention)

CPC: Y10T428/14 Y10T428/28 Y10T428/2848 B24B9/146

B24B13/005 Y10T428/31551 Y10T428/31565 Y10T428/249983

European: B24B13/005 B24B9/14D

US: 428/317.3 428/343 428/354 428/40.1 428/423.1 428/423.7 451/390 451/41 451/41P



Family:

Publication number	Publication date	Application number	Application date
US2008274672 AA	20081106	US20070743733	20070503
US7935402 BB	20110503	US20070743733	20070503
WO08137545 A1	20081113	WO2008US62218	20080501

Priority:

US20070743733 20070503

Probable Assignee: SAINT GOBAIN SA

Assignee(s): (std): SAINT GOBAIN PERFORMANCE PLAST

Assignee(s): SAINT GOBAIN PERFORMANCE PLASTICS CORP ; SAINT GOBAIN SA

Inventor(s): (std): THERRIault DONALD J ; COLE TODD W

Agent(s): LARSON NEWMAN ABEL POLANSKY AND WHITE LLP; LARSON NEWMAN AND ABEL LLP; CHI SUK

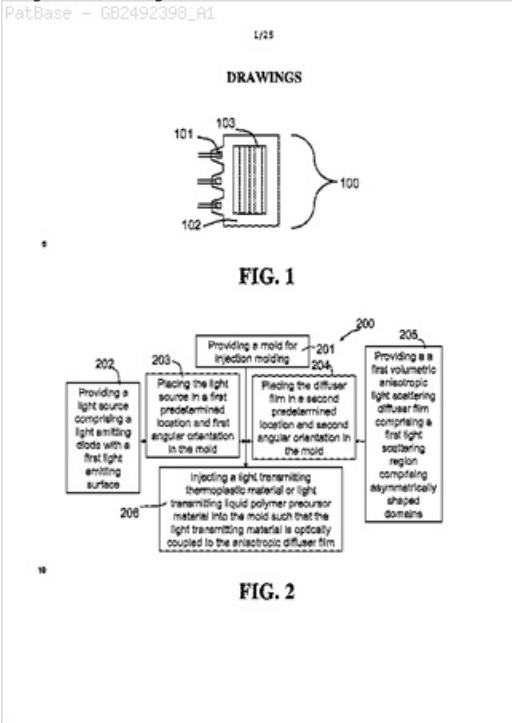
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Title: MANUFACTURING AN OPTICAL COMPOSITE USING INVERTED LIGHT COLLIMATING SURFACE FEATURES

Abstract: An optical composite is made by forming inverted light collimating surface features 2810 in a first material and optically coupling a second material 2808 to the inverted light collimating features, the optical coupling forming a non-planar interface between the first material and the second material. The refractive index of the second material may be greater than that of the first material. The inverted light collimating surface features may be the three-dimensional inverse of light collimating features and may be concave hemispherical recesses, conical recesses, prism or groove recesses, curved or other recessed shapes. The optical composite may be used as a diffuser for a backlight for LCDs and radiation-cured embossing or thermal embossing may be used for forming the inverted light collimating surface features.

Classifications:

International (IPC 8-9): B29D11/00 G02B27/30 (Advanced/Invention)
CPC: B29D11/00365 B29D11/0073 G02B27/30



Family:

Publication number	Publication date	Application number	Application date
GB201111205 A0	20110817	GB20110011205	20110630
GB2492398 A1	20130102	GB20110011205	20110630

Priority:

GB20110011205 20110630

Probable Assignee:

Assignee(s): (std):

Inventor(s): (std):

Inventor(s):

FUSION OPTIX INC

FUSION OPTIX INC

COLEMAN ZANE

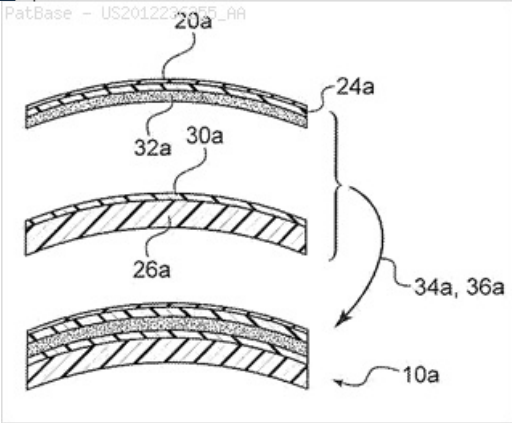
ZANE COLEMAN

Title: **ADHESIVE** SYSTEM FOR A **LAMINATED** LENS AND METHOD FOR APPLYING SAME

Abstract: A method for **laminating** a functional film on to an optical base element and a tri-**layer adhesive** system for use in the method. The tri-**layer adhesive** includes a first latex **adhesive layer** disposed on the functional film and a second latex **adhesive layer** disposed on the optical base element. An HMA **layer** is disposed in between the latex **layers** to form a tri-**layer adhesive** to permanently retain the functionalized film on the optical base element. The method includes first coating a latex **adhesive** on the functional film and second coating a latex **adhesive** on the optical base element. An HMA is then coated on to one of the dried latex **adhesive layers**. The film is hot pressed on to the optical base element with the HMA sandwiched in between the latex **layers** to form a **laminated** optical device.

Classifications:

International (IPC 8-9): B29C65/40 B29C65/48 B29D11/00 B32B37/12 B32B38/10 B44C1/22 C09J133/00 C09J151/00 C09J175/04 G02B1/04 G02B1/08 G02B1/10 G02B5/128 G02B5/30 G02C1/02 G02C5/12 G02C7/02 G02C7/04 G02C7/06 G02C7/12 (Advanced/Invention)
CPC: B29D11/0073 G02B1/041 G02B1/10 G02B5/3033
European: B29D11/00H G02B1/04B G02B1/10 S02B5/30P1
US: 156/272.6 156/273.3 156/310 216/24 351/139 351/144 351/159.41 351/159.42 351/159.56 351/159.61 351/159.62 359/539 359/540



Family:

Publication number	Publication date	Application number	Application date
BR112012010255 A2	20160329	BR20121110255	20091102
CN102639315 A	20120815	CN200980162761	20091102
CN102639315 B	20160127	CN200980162761	20091102
EP2496405 A1	20120912	EP20090744893	20091102
EP2496405 B1	20180815	EP20090744893	20091102
ES2694044 T3	20181217	ES20090744893T	20091102
JP2013509613 T2	20130314	JP20120536778T	20091102
JP5757954 B2	20150805	JP20120536778T	20091102
KR101692418 B1	20170103	KR20127014292	20091102
KR20120101048 A	20120912	KR20127014292	20091102
MX2012005079 A1	20121122	MX20120005079	20091102
US2012236255 AA	20120920	US20090505009	20091102
US8746879 BB	20140610	US20090505009	20091102
WO11053329 A1	20110505	WO2009US62923	20091102

Priority:

US20090505009 20091102 WO2009US62923 20091102

Probable Assignee: ESSILOR INT COMPAGNIE GENERALE D OPTIQUE

Assignee(s): (std): ESSILOR INT ; ESSILOR INT CIE GENERALE D OPTIQUE ; KEEGAN BRUCE ; JIANG PEIQI

Assignee(s): ESSILOR INT COMPAGNIE GENERALE D OPTIQUE ; ESSILOR INTERNATIONAL ; ESSILOR INTERNATIONAL COMPAGNIE GENERALE D OPTIQUE

Inventor(s): (std): BRUCE KEEGAN ; PEIQI JIANG ; JIANG PEIQI ; KEEGAN BRUCE

Agent(s): SANTARELLI; AOKI ATSUSHI; ISHIDA TAKASHI; KOGA TETSUJI; GARDERE WYNNE SEWELL LLP; KEUSEY EDWIN H

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 TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Title: INFORMATION CARRIER PRECURSOR AND INFORMATION CARRIER PRODUCED THEREWITH

Abstract: Information carrier precursor comprising a rigid sheet or support; a receiving **layer** configuration comprising at least one **layer**; and at least one substance, optionally provided pattern-wise, capable of and available for interacting in situ with at least one species diffusing through the receiving **layer** configuration to produce a functional species, wherein at least one **layer** of the receiving **layer** configuration comprises at least one pigment, at least one binder, opaque porous parts capable of being rendered substantially transparent by penetration by a lacquer provided at the outermost surface of the receiving **layer** configuration and non-porous transparent parts; a method for producing the above-mentioned information carrier precursor; a method for producing an information carrier; and information carriers produced therewith.

Classifications:

International (IPC 8-9): B05D1/36 B05D3/00 B24D15/00 B32B5/16 B32B5/22 B32B7/02 B32B7/14 B32B9/04 B41M3/14 B41M5/00 B42D15/00 B42D15/10 B42D25/40 B42D25/47 B44F1/12 G03C8/00 G03C8/42 G03C8/52 G03C8/56 G06K19/02 (Advanced/Invention); B05D1/36 B05D3/00 B32B5/16 B32B5/22 B32B9/04 B41M3/14 B41M5/00 B42D15/00 B42D15/10 B44F1/00 G03C8/00 G06K19/02 (Core/Invention)

CPC: G03C8/423 G03C8/52 B42D25/43 B41M3/14 B41M5/506 B41M5/52 B41M5/5218 B41M2205/38 B42D25/00 B42D25/465 Y10T428/12007 Y10T428/24876 Y10T428/24893 Y10T428/24942 Y10T428/25 Y10T428/252 Y10T428/31504 Y10T428/249953 B42D25/21 B42D25/378 B42D25/415 B41M5/0029 B42D25/29 B41M3/144 B42D2033/04 B42D2033/08 B42D2035/34 B42D25/351 B42D25/373 B42D25/41

European: B41M3/14F B41M5/00P B41M5/50B4 B42D15/00C B42D15/10 G03C8/42K G03C8/52 L41M205/38 L41M3/14 L41M3/14F L41M5/52 L41M5/52C L42D31/04 L42D31/10 L42D31/16 L42D31/26 L42D33/04 L42D33/08 L42D35/34

US: 156/306.6 156/306.600S 235/488 235/488P 283/72 283/94 283/94P 427/243 427/372.2 427/372.200S 427/402 427/402S 427/7 427/7S 428/204 428/206 428/212 428/220 428/304.4 428/304.400S 428/32.18 428/32.34 428/32.37 428/323 428/325 428/411.1 428/411.100S 428/446 428/446P 428/545 428/545P 428/688 428/688S

Family:

Publication number	Publication date	Application number	Application date
AT460288 E	20100315	AT20070728296T	20070419
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CN101594999 A	20091202	CN200780045001	20070419
CN101594999 B	20111012	CN200780045001	20070419
CN101595000 A	20091202	CN200780045086	20070419
CN101595000 B	20110406	CN200780045086	20070419
CN101600579 A	20091209	CN200780051062	20070419
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CN101600580 A	20091209	CN200780051102	20070419
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CN101641220 A	20100203	CN200780051090	20070419
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DE602007031123 D1	20130814	DE200760031123T	20070419
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Priority:

EP20060125552	20061207	EP20060125555	20061207	EP20060125558	20061207
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US20070738083	20070420	US20070738046	20070420	US20070738057	20070420
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Probable Assignee: AGFA GEVAERT NV

Assignee(s): (std): AGFA GEVAERT ; AGFA GEVAERT BE ; AGFA GEVAERT NV ; LEENDERS LUC ; DAEMS EDDIE ; WERTS MICHEL

Assignee(s): AGFA GEVAERT N V ; INFINEON TECHNOLOGIES AG ; AGFA GAVAERT N V ; AGFA GAVAERT NV

Inventor(s): (std): WERTS MICHEL ; LEENDERS LUC ; DAEMS EDDIE ; TERRELL DAVID ; EDDIE DAEMS ; LUC LEENDERS ; MICHEL WERTS ; DAVID TERRELL

Agent(s): GOEDEWEECK RUDI; LEYDIG VOIT AND MAYER LTD

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 SD SE SG SI SK SL SM SN SV SY SZ TD TG TJ TM TN TR TT TZ UA UG UZ VC VN ZA ZM ZW

Title: METHOD OF MANUFACTURING AN OPTICAL COMPOSITE

Abstract: Embodiments of this invention include composite articles having specific optical properties. In one embodiment of this invention, a composite comprises high and low refractive index light transmitting material and surface relief features. In further embodiments, the composite comprises volumetric dispersed phase domains that may be asymmetric in shape. In one embodiment of this invention, the composite is an optical film providing light collimating features along two orthogonal planes perpendicular to the surface of the film. In another embodiment, the composite has improved optical, thermal, mechanical, or environmental properties. In further embodiments of this invention, the composite is manufactured by optically coupling or extruding two or more light transmitting materials, and forming inverted light collimating surface relief features or light collimating surface relief features. In further embodiments of this invention, a method of manufacturing a composite comprises forming one or more surface relief features on a component and injection molding or otherwise optically coupling two or more materials to the component. In one or more embodiments of this invention a light source is optically coupled to the composite or used in a light emitting device.

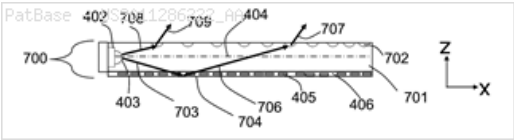
Classifications:

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CPC: Y10T156/1039 B29D11/0073 G02B6/0036 G02B6/0041 G02B6/0046 G02B6/0055 G02B6/0058 G02B6/0065 G02F1/133615

European: B29D11/00H G02B6/00L6O4B G02B6/00L6P S02B6/00L6O16 S02B6/00L6O4P2 S02B6/00L6O4S4 S02B6/00L6O8R S02F1/1336E

US: 156/219 156/219S 264/1.24 264/1.27 264/1.34 264/1.7 264/494 349/56 349/57 349/58 349/61 362/326 362/326P 362/97.1 362/97.2 385/129 385/130 385/131 385/141 385/141S 385/33 385/36



Family:

Publication number	Publication date	Application number	Application date
US2011286222 AA	20111124	US20110163938	20110620
US7991257 BA	20110802	US20080209709	20080912
US8249408 BB	20120821	US20110163938	20110620

Priority:

US20070872446P 20070516 US20080122661 20080516 US20080209709 20080912
US20110163938 20110620

Probable Assignee: MASSACHUSETTS DEVELOPMENT FINANCE AGENCY

Assignee(s): (std): COLEMAN ZANE ; FUSION OPTIX INC

Assignee(s): MASSACHUSETTS DEVELOPMENT FINANCE AGENCY ; CREE INC

Inventor(s): (std): COLEMAN ZANE

Title: ADHESIVE LAYER-EQUIPPED TRANSPARENT SURFACE MATERIAL, DISPLAY DEVICE, AND PRODUCTION METHOD THEREFOR

Abstract: A transparent plate having an **adhesive layer** includes a transparent plate; a cover material formed on a peripheral portion of a surface of the transparent plate and having a notched portion on an upper side thereof; an **adhesive layer** formed in a region enclosed by the transparent plate and the cover material and on a partial region of the cover material such that the **adhesive layer** has a peripheral end face on the cover material, wherein the peripheral end face coincides with the position of the notched portion in a planar direction of the transparent plate; and a peelable protective film formed on the **adhesive layer** and having a peripheral end face such that the peripheral end face of the protective film is flush with the peripheral end face of the **adhesive layer** coinciding with the position of the notched portion.

Classifications:

International (IPC 8-9): B32B27/00 B32B3/02 B32B3/08 B32B37/00
B32B37/12 B32B37/24 B32B38/00 B32B38/04 B32B38/10 B32B7/12
G02F1/1333 G02F1/1335 G06F3/041 G09F9/00 (Advanced/Invention)

CPC: G06F2203/04103 G02F2202/28 G02F1/1333 B32B3/08

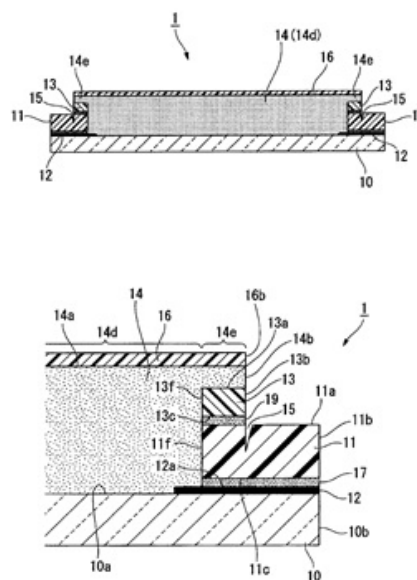
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B32B38/04 B32B38/10 B32B2457/20 B32B2037/243 B32B2038/045

B32B2307/412 B32B27/08 B32B27/32 B32B27/34 B32B27/36

Y10T428/1471 G02F1/133308 G02F2001/133331

US: 156/248 349/122 428/38 428/41.7



Family:

Publication number	Publication date	Application number	Application date
JP2014061607 A1	20160905	JP20140542117T	20131011
TW201421114 A	20140601	TW20130137125	20131015
US2015212350 AA	20150730	US20150684466	20150413
WO14061607 A1	20140424	WO2013JP77822	20131011

Priority:

JP20120232197 20121019 WO2013JP77822 20131011

Probable Assignee: ASAHI GLASS CO LTD

Assignee(s): (std): ASAHI GLASS CO LTD

Assignee(s): N A

Inventor(s): (std): BABA TATEO ; AOKI NAOKO ; NIIYAMA SATOSHI

Agent(s): SENMYO KENJI 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 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 RU RW SA SC SD SE SG SI SK SL SM SN ST SV SY SZ TD TH TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZW ZW

Title: PROCESS FOR MANUFACTURING GLASS/PLASTIC LAMINATES WITH IMPROVED OPTICAL QUALITY

Abstract: Provided is a process for manufacturing a glass/plastic laminate or a glass-less laminate having improved optical qualities. The process involves the use of a bi-layer film as a removable release liner. The bi-layer film comprises an inbound layer and an outbound layer. In the lamination process, the inbound layer is disposed adjacent to the plastic film outer layer and the outbound layer is disposed adjacent to a rigid cover plate. The polymeric material comprised in the outbound layer has a melting temperature that is higher than the temperature reached by the outbound layer in the lamination process. The melting temperature of the inbound layer is preferably at least 10 degrees centigrade higher than the melting temperature of the outbound layer. Preferred bi-layer release liners include polyethylene/polypropylene films.

Classifications:

International (IPC 8-9): B32B17/00 B32B17/10 B32B27/00

B32B27/36 B32B37/00 B32B38/10 (Advanced/Invention);

B32B17/00 B32B17/06 B32B27/00 B32B27/36 B32B37/00

B32B38/10 (Core/Invention)

CPC: Y10T156/10 B32B17/10018 B32B17/10761 B32B17/10853

B32B17/10871 B32B2367/00 Y10T428/31504 Y10T428/31511

Y10T428/31551 Y10T428/31663 Y10T428/31786 Y10T428/31935

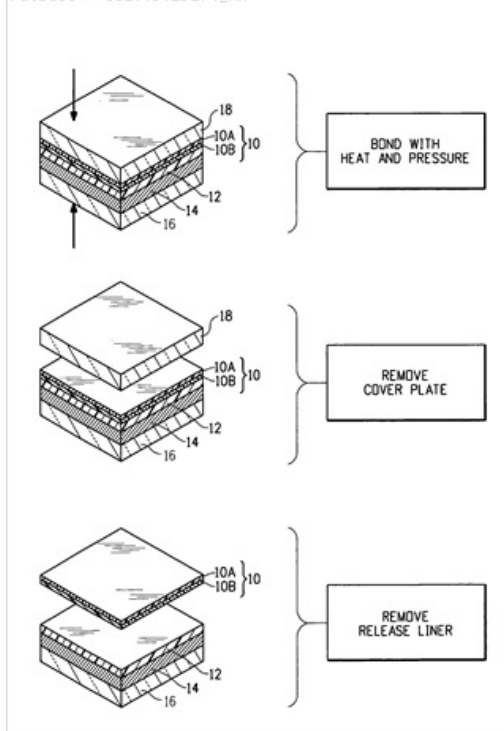
European: B32B17/10C2 B32B17/10G28 B32B17/10L10B2B2

B32B17/10L10D L32B367/00

US: 156/247 156/60 428/411.1 428/413 428/423.1 428/426 428/447

428/480 428/522

PatBase - US2009029174_AA



Family:

Publication number	Publication date	Application number	Application date
US2009029174 AA	20090129	US20080220633	20080724
WO09015261 A1	20090129	WO2008US70989	20080724

Priority:

US20070961870P 20070724 US20080220633 20080724

Probable Assignee: DU PONT

Assignee(s): (std): ANDERSON JERREL C ; CENTER LUTHER W ; DU PONT ; SMITH CHARLES ANTHONY ; KIRSCHNER CYNTHIA H

Assignee(s): EI DU PONT DE NEMOURS AND CO ; E I DU PONT DE NEMOURS AND CO ; E I DU PONT DE NEMOURS AND COMPANY

Inventor(s): (std): SMITH CHARLES ANTHONY ; ANDERSON JERREL C ; CENTER LUTHER W ; KIRSCHNER CYNTHIA H

Agent(s): E I DU PONT DE NEMOURS AND COMPANY, LEGAL PATENT RECORDS CENTER; E I DU PONT DE NEMOURS AND CO LEGAL PATENT RECORDS CENTER; KULLER MARK D

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 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 ST SV SY SZ TD TG TJ TM TN TR TT TZ UA UG US UZ VC VN ZA ZM ZW

Title: SHEATHING ASSEMBLIES AND METHODS FOR MAKING AND USING SAME

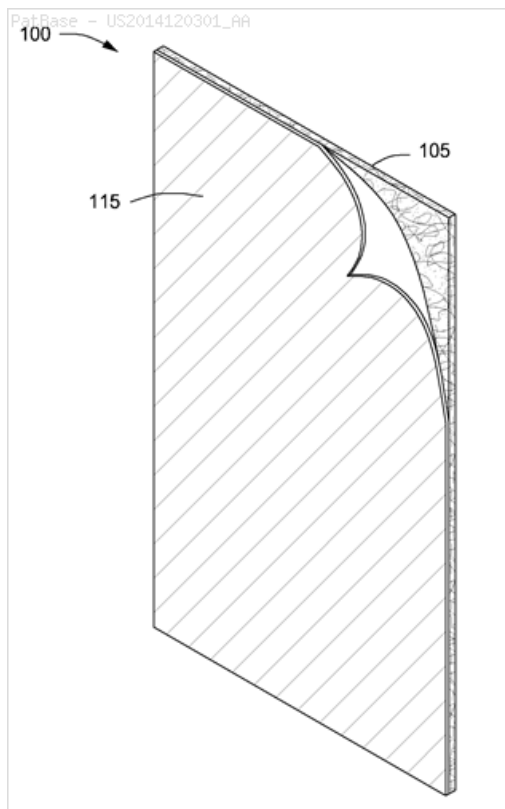
Abstract: Sheathing assemblies and methods for making and using same are provided. The sheathing assembly can include a body and a barrier secured to a first side of the body. The body can include a plurality of lignocellulosic substrates. Any adhesive disposed between the body and the barrier can consist of: (1) a first adhesive disposed throughout the body and having a substantially constant concentration within the body, (2) a second adhesive disposed throughout the barrier and having a substantially constant concentration within the barrier, or (3) a first adhesive disposed throughout the body and having a substantially constant concentration within the body and a second adhesive disposed throughout the barrier and having a substantially constant concentration within the barrier.

Classifications:

International (IPC 8-9): B32B21/10 B32B5/02 B32B5/12 B32B7/12 E04C2/26 (Advanced/Invention)

CPC: B32B7/12 B32B5/024 B32B5/022 Y10T156/10 Y10T428/24066 Y10T442/3154 Y10T442/641 Y10T428/249921 B32B21/02 B32B21/042 B32B21/10 B32B2260/023 B32B2260/046 B32B2262/02 B32B2262/0253 B32B2262/0261 B32B2262/065 B32B2262/12 B32B2262/14 B32B2307/71 B32B2307/7246 B32B2307/744 B32B2419/00 B32B2419/06 B32B2471/00 B32B2607/00 E04C2/16 E04C2/246

US: 156/60 428/106 428/221 442/200 442/364



Family:

Publication number	Publication date	Application number	Application date
AU2013338148 AA	20140508	AU20130338148	20131029
BR112015010024 A2	20170711	BR20151110024	20131029
CA2890098 AA	20150501	CA20132890098	20131029
CN104870187 A	20150826	CN201380065984	20131029
EP2914429 A1	20150909	EP20130851385	20131029
IN01453KN2015 A	20160101	IN2015KN01453	20150518
RU2015120293 A	20161220	RU20150120293	20131029
US2014120301 AA	20140501	US20130065580	20131029
WO14070704 A1	20140508	WO2013US67204	20131029

Priority:

US20120721046P 20121101 US20130065580 20131029 WO2013US67204 20131029

Probable Assignee: GEORGIA PACIFIC WOOD PRODUCTS LLC

Assignee(s): (std): GEORGIA PACIFIC WOOD PRODUCTS LLC

Assignee(s): JORDAN RICHARD D ; CARROLL MICHAEL E

Inventor(s): (std): CARROLL MICHAEL EUGENE ; JORDAN RICHARD DAVID ; CARROLL MICHAEL E ; JORDAN RICHARD D ; RICHARD D JORDAN ; MICHAEL E CARROLL

Agent(s): PHILLIPS ORMONDE FITZPATRICK; BLAKE CASSELS AND GRAYDON LLP; GRUENECKER PATENT U RECHTSANWALTE PARTG MBB; SABNIS RAM W 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 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