

1) Family number: 43952875 (US2009283229A)

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Title: FUNCTIONALIZING CELLULOSIC AND LIGNOCELLULOSIC MATERIALS

Abstract: Irradiated lignocellulosic or cellulosic materials are provided which contain carboxylic acid groups and/or other functional groups not present in a naturally occurring cellulosic or lignocellulosic material from which the irradiated material was obtained

Classifications:

International (IPC 8-9): A23G3/32 A41D1/00 A63B59/06 A63B59/50

A63B59/52 B01J19/08 B01J19/12 B02C23/18 B03C9/00 B05D3/00
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H01J37/317 (Advanced/Invention);

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G21K5/00 (Core/Invention);

C12P D03D D04B D04H D06M (Subclass/Invention)

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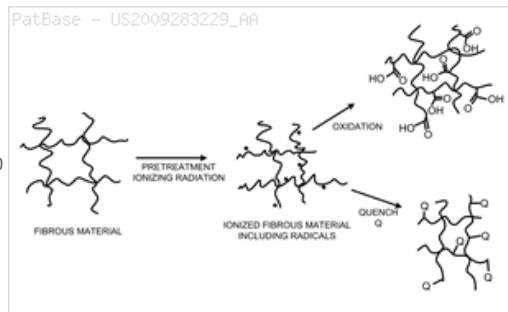
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427/551 428/22 428/221 428/221S 435/136 435/136S 435/137 435/155 435/155S 435/157 435/165 435/166 435/166S 435/168
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Family:

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Probable Assignee: XYLECO INC

Assignee(s): (std): KSILEKO INK ; MEDOFF MARSHALL ; XYLECO INC

Assignee(s): XYLECO INC WAKEFIELD ; XYLECO INCL-271 SALEM STREETWOBURNMA01801US ; MEDOFF MARSHALL90 ADDINGTON ROADBROOKLINEMA02146US

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Inventor(s): MEDOFF MARSHALL BROOKLINE ; MEDOFF MARSHALL90 ADDINGTON ROADBROOKLINEMA02146US

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

2) Family number: 31485649 (US2005058689A)

PatBase

Title: ANTIFUNGAL PAINTS AND COATINGS

Abstract: Antifungal and antibacterial peptides, polypeptides and proteins as antifungal additives for paint and other coatings are disclosed, along with antifungal compositions, and coated surfaces with antifungal properties. Methods of using the coatings for treating and/or inhibiting growth of mold, mildew and other fungi and bacteria on objects such as building materials that are susceptible to such infestation are also disclosed.

Classifications:

International (IPC 8-9): A01N A01N25/00 A01N33/08 A01N37/18 A01N37/44 A01N37/46 A01N63/00 A01N63/02 A01P1/00 A01P3/00 A61F13/00 A61K31/74 A61K38/00 A61K38/08 A61K38/10 A61K47/48 B05D3/00 B05D5/00 B08B3/00 B32B3/12 B32B5/02 B65D81/00 B65D85/84 C07K14/00 C07K14/435 C07K17/00 C07K2/00 C07K5/08 C07K5/10 C07K7/00 C07K7/06 C07K7/08 C08G63/91 C08L89/00 C09D C09D133/00 C09D189/00 C09D201/00 C09D5/14 C09D5/16 C09D7/00 C09D7/12 C09J11/08 C12N C12N11/16 C12N9/00 C12N9/16 C12N9/18 C12N9/20 C12N9/48 C12N9/76 C12N9/78 C12Q1/00 C12Q1/34 C12Q1/527 C12S9/00 (Advanced/Invention); A01N33/00 A01N37/18 A01N37/44 A01N63/00 A01P1/00 A01P3/00 A61F13/00 A61K47/48 B05D3/00 C07K14/00 C07K5/00 C07K7/00 C08G63/00 C08L89/00 C09D201/00 C09D5/14 C09D5/16 C09D7/12 C09J11/00 C12N11/00 C12N9/00 C12N9/16 C12N9/48 C12N9/76 C12N9/78 (Core/Invention); A01N C09D (Subclass/Invention)

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European: A01N37/46 A01N63/00 A01N63/02 B08B17/02 C07K7/06 C07K7/08 C09D5/00F C09D5/14 C09D5/16C3K C09D5/16C7 C09D5/16R C09D7/12D4 C09D7/12M C09D7/12S C12Q1/34 C12Q1/44 C12Q1/61 D06M16/00B M08L89/00

US: 106/124.1 106/124.100S 106/15.05 106/15.050P 106/15.050S 106/18.32 106/18.320P 106/18.320P 106/18.320S 106/2 106/2P 106/4 106/4S 106/501.1 106/501.100S 134/26 134/26P 206/216 206/216S 206/524.1 206/524.100S 222/1 222/1S 424/404 424/409 424/422 424/422P 424/426 424/426P 424/78.09 424/94.2 424/94.200P 424/94.61 424/94.64 427/331 427/331S 427/352 427/352S 427/414 427/414P 428/116 428/116S 435/174 435/174S 435/183 435/183S 435/183P 435/196 435/196S 435/197 435/197S 435/198 435/198S 435/212 435/212S 435/213 435/213S 435/227 435/227S 435/264 435/264S 435/4 435/4S 442/93 442/93S 514/1.1 514/1.100P 514/12 514/16 514/17 514/18 514/2 514/2.4 514/2.400S 514/21.4 514/21.5 514/21.8 514/3 514/3.300P 514/3.300S 521/55 521/55P 523/122 523/122S 524/17 524/17S 524/590 525/54.1 525/54.100S 530/324 530/324S 530/326 530/326S 530/327 530/327S 530/329 530/329S 530/330 530/330S 530/331 530/331S 530/350 530/350S

PatBase - W005007758_A2

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Probable Assignee: REACTIVE SURFACES LTD LLP**Assignee(s):** (std): MCDANIEL C STEVEN ; MCDANIEL C ; MCDANIEL STEVEN C ; REACTIVE SURFACES LTD ; REACTIVE SURFACES LTD LLP ; STEVEN MCDANIEL C ; REACTIVE SURFACE LTD ; RAWLINS JAMES W ; WALES MELINDA ; WILLIAMS ERIC B**Assignee(s):** C MCDANIEL ; C STEVEN MCDANIEL ; STEVEN C MCDANIEL**Inventor(s):** (std): MCDANIEL STEVEN C ; MCDANIEL C S ; WALES MELINDA ; BRAASCH DWAIN ; RAWLINS JAMES W ; WILLIAMS ERIC B ; CIPI PIRRO ; RAWLINS JAMES ; WILLIAMS ERIC ; WALES MELINDA E ; CARVAJAL JUAN CARLO ; MCDANIEL C STEVEN**Inventor(s):** C STEVEN MCDANIEL ; STEVEN MCDANIEL ; MCDANIEL C**Agent(s):** WRAYS; MARCHANT MICHAEL JOHN; ELLA CHEONG HONG KONG LTD; SPRUSON AND FERGUSON HONG KONG LTD; DEACONS; SANFORD TCOLB AND CO; C STEVEN MCDANIEL MCDANIEL AND ASSOCIATES PC; DAFFER MCDANIEL LLP; C STEVEN MCDANIEL C O DAFFER MCDANIEL LLP; RISSMAN HENDRICKS AND OLIVERIO LLP; NOVAK DRUCE CONNOLLY BOVE AND QUIGG LLP; MCDANIEL AND ASSOCIATES PC; MCDANIEL C STEVEN**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 YU ZA ZM ZW**3) Family number: 32510426 (US2004127614A)**

© PatBase

Title: POLYOLEFIN ADHESIVE COMPOSITIONS AND ARTICLES MADE THEREFROM

Abstract: Embodiments of the present invention relate to article comprising a polymer comprising one or more C3 to C40 olefins, optionally one or more diolefins, and less than 5 mole percent of ethylene having a Dot T-Peel of 1 Newton or more, a branching index (g') of 0.95 or less measured at the Mz of the polymer; and an Mw of 100,000 or less. This invention further relates to a process to produce an olefin polymer comprising: 1) selecting a first catalyst component capable of producing a polymer having an Mw of 100,000 or less and a crystallinity of 20 percent or less; 2) selecting a second catalyst component capable of producing polymer having an Mw of 100,000 or less and a crystallinity of 40 percent or more; 3) contacting the catalyst components in the presence of one or more activators with one or more C3 to C40 olefins, in a reaction zone.

Classifications:

International (IPC 8-9): B32B27/32 C08F10/00 C08F10/02 C08F10/04 C08F10/06 C08F10/14 C08F110/06 C08F110/14 C08F20/00 C08F2/38 C08F210/00 C08F210/04 C08F210/06 C08F210/14 C08F210/16 C08F210/18 C08F255/00 C08F255/02 C08F297/08 C08F4/44 C08F4/6392 C08F4/64 C08F4/642 C08F4/643 C08F4/646 C08F4/6592 C08F8/00 C08F8/46 C08G63/91 C08J3/00 C08K5/00 C08K5/01 C08K5/17 C08L101/00 C08L23/00 C08L23/04 C08L23/06 C08L23/10 C08L23/12 C08L23/14 C08L23/16 C08L23/18 C08L23/20 C08L23/26 C08L25/06 C08L27/06 C08L27/08 C08L45/00 C08L51/00 C08L67/06 C08L73/02 C08L77/00 C08L83/00 C08L91/00 C08L91/06 C08L91/08 C08L93/04 C09D123/14 C09J11/00 C09J11/06 C09J11/08 C09J123/00 C09J123/02 C09J123/04 C09J123/10 C09J123/12 C09J123/14 C09J123/16 C09J123/20 C09J123/24 C09J123/26 C09J133/00 C09J145/00 C09J147/00 C09J151/06 C09J157/02 C09J191/06 C09J193/04 C09J201/00 C09J5/00 C09J7/02 C09J7/04 D01F6/30 D01F6/46 (Advanced/Invention); C08F10/00 C08F10/06 C08F110/06 C08F210/04 C08F210/06 C08F297/08 C08F4/64 C08F4/642 C08F4/646 C08F4/659 C08F4/6592 C08L51/06 C08L57/02 (Advanced/Non-invention); B32B27/32 C08F10/00 C08F210/00 C08F8/00 C08K5/00 C08L23/00 C08L51/00 C08L91/00 C09D123/00 C09J123/00 C09J151/00 D01F6/28 D01F6/46 (Core/Invention); C08F110/00 C08F210/00 (Core/Non-invention)

International (IPC 1-7): C08F10/06 C08F2/00 C08F2/38 C08F210/04 C08F210/06 C08F297/08 C08F4/44 C08F4/64 C08F4/642 C08F4/643 C08G63/91 C08J3/00 C08K5/01 C08L23/10 C08L51/00 C09J123/10 C09J123/12

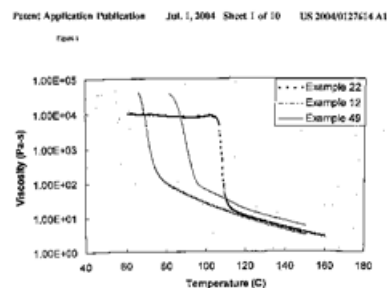
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JP F-Term: 4J002 4J002/BB03 4J002/BB07 4J002/BB11 4J002/BB12 4J002/BB15 4J002/BB17 4J002/BB20 4J002/BB21

PatBase - US2004127614_AA



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Publication number	Publication date	Application number	Application date	
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Assignee(s): NELSON KEITH ALLEN ; JACOB LUTZ ERICH ; KAPPES NICOLAS ; FAISSAT MICHEL LOUIS ; EXXONMOBIL CHEMICAL PATENTS INC A OF STATE OF DELAWARE CORP ; EXXONMOBIL CHEMICAL PATENTS INC BAYTOWN ; EXXONMOBIL CHEMICAL PATENTS INC A OF STATE OF DELAWARE BAYTOWN CORP ; EXXONMOBIL CHEMICAL PATENTS INC ; CURRY CHRISTOPHER LEWIS ; EXXON MOBIL CHEMICAL PATENTS INC ; EXXONMOBIL CHEMICAL PATENTES INC

Inventor(s): (std): JIANG PEIJUN ; DEKMEZIAN ARMENAG ; CANICH JO ANN M ; SIMS CHARLES L ; ABHARI RAMIN ; GARCIA FRANCO CESAR A ; JOHNSRUD DAVID R ; NELSON KEITH ALLEN ; CURRY CHRISTOPHER LEWIS ; DEKMEZIAN ARMENAG HAGOP ; SIMS CHARLES LEWIS ; GARCIA FRANCO CESAR ALBERTO ; CANICH JO ANN MARIE ; KAPPES NICOLAS ; FAISSAT MICHEL LOUIS ; JACOB LUTZ ERICH ; JOHNSRUD DAVID RAYMOND ; TSE MUN FU ; BRANT PATRICK ; LEWTAS KENNETH ; CHOW WAI YAN ; SCHAUDER JEAN ROCH ; GONG CAIGUO ; NELSON KEITH A ; CURRY CHRISTOPHER L ; DEKMEZIAN ARMENGAG ; KNAPPES NICHOLAS ; FAISSET MICHAEL L ; JACOB LUTZ E ; TSE MUN F ; WAKABAYASHI HIDEAKI ; GONG CAIGUI ; JIANG PEIJUN ; CANICH JOANN M ; KAPPES NICHOLAS ; FAISSAT MICHAEL L ; LI FENG ; SCHAUDER JEAN ROCH H ; MATHEW THOTTINAL A ; LEWIS JIANG PEIJUN NELSON KEIT ; CHRISTOPHER L CURRY ; NICHOLAS KNAPPES ; DAVID R JOHNSRUD ; MICHAEL L FAISSET ; PEIJUN JIANG ; ARMENAG DEKMEZIAN ; LUTZ E JACOB ; RAMIN ABHARI ; CHARLES L SIMS ; KEITH A NELSON ; ARMENGAG DEKMEZIAN ; CESAR A GARCIA FRANCO ; JO ANN M CANICH ; SCHAU ABHARI RAMIN SIMS CHARLE ; JO JIANG PEIJUN DEKMEZIAN ARME ; MARIE ABHARI RAMIN SIMS CHARLE ; DEKMEZIAN ARMENAG H ; FU TSE MUN ; ALBERTO GARCIA FRANCO CESAR ; LEWIS CURRY CHRISTOPHER ; ALLEN NELSON KEITH ; ERICH JACOB LUTZ ; HAGOP DEKMEZIAN ARMENAG ; LEWIS SIMS CHARLES ; LOUIS FAISSAT MICHEL ; NICOLAS KAPPES ; RAYMOND JOHNSRUD DAVID ; FAISSET MICHEL L ; GARCIA FRANCO CESAR ; CANICH JO ; SIMS CHARLES ; JOHNSRUD DAVID ; BERNARD CHAD E ; MARIE CANICH JO ANN ; KENNETH LEWTAS ; PATRICK BRANT ; CAIGUO GONG ; JEAN ROCH SCHAUDER ; YAN CHOW WAI ; MATHEW THOTTINAL ABRAHAM ; RAYMOND ABHARI RAMIN SIMS CHAR ; HENNING DAVID AARON ; LI JAMES F

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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 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 YU ZA ZM ZW

4) Family number: 54289208 (US2013178561A)

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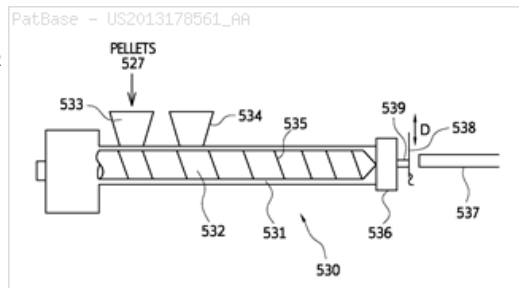
Title: COMPOSITE BOARDS AND A METHOD OF MAKING THE SAME

Abstract: A composite board is manufactured from hydrophobic coconut coir fibers which have been treated to remove at least a portion of coconut pith therefrom; and a hydrophobic vinyl polymer, such as a polyolefin. The composite board is manufactured without any step of chemically modifying coconut coir fibers. The composite board is manufactured by removing at least a portion of coconut pith from coconut coir fibers using a cyclonic separator; combining coconut coir fibers with a hydrophobic polymer to form a mixture; and extruding the mixture to form a composite board.

Classifications:

International (IPC 8-9): B02B1/00 B02C21/00 B02C23/00 B07B7/00 B27K5/00 B27N3/04 B29C47/00 C08K11/00 D21B1/04 D21B1/06

D2111/08 (Advanced/Invention)
CPC: D21B1/061 B27N3/04 B29B9/06 B29C48/0022 B29C48/05
B29C48/2886 B29C48/297 B29C48/30 B29C48/345 B29B7/905 B29B7/92
B29B9/14
US: 241/43 264/115 425/406 524/13 524/15



Family:

Publication number	Publication date	Application number	Application date
US2013178561 AA	20130711	US20130736607	20130108
US8586655 BB	20131119	US20130736607	20130108
WO13106302 A1	20130718	WO2013US20628	20130108

Priority:

US20120585035P 20120110 US20130736607 20130108

Probable Assignee: ADMIRAL COMPOSITE TECHNOLOGIES INC

Assignee(s): (std): CARRUBBA VINCENT

Assignee(s): ADMIRAL COMPOSITE TECHNOLOGIES INC

Inventor(s): (std): CARRUBBA VINCENT

Agent(s): KRAMER AND AMADO PC; KRAMER TERRY W

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 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 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

5) Family number: 1102296 (US3817820A)

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Title: NEEDLED TEXTILE FABRIC

Abstract: 1418061 Artificial leather FIBERWOVEN CORP 3 Jan 1973 [28 Jan 1972] 377/73 Heading B2E [Also in Divisions B5 and D1] An artificial leather comprises a coated needled non-woven fabric having an overall bulk density of at least 6 lbs/ft³ e.g. 20 to 45 lbs/ft³ and its axis of flexure is within 0.3 of the distance from the face surface to the back surface. Preferably there is a density gradient across the fabric thickness, the face region having the greatest density. The fabric is bonded, dried, buffed, sanded and a coating of polyurethane applied to the face side of the fabric by means of a doctor blade. The fabric is dried and stood at room temperature for 3 hours whilst the polyurethane becomes 30 percent cured and then embossed between an upper belt at 400°F and a lower belt at 75°C so that the upstanding fibres at the surface are orientated in the plane of the fabric and form with the polyurethane a porous surface layer. Three coats of pigment plus an aqueous emulsion of 74/20/3/3 copolymer of ethyl acrylate, methyl acrylate, methylol acrylamide and methacrylic acid are sprayed onto the face side, the fabric embossed at 345°F to give a grained texture then sprayed on the face side with a nitrocellulose laquer and on the back surface with an aqueous solution of sulphonated fats as a softener. In an alternative embodiment an impervious coating of P.V.C. or polyurethane may be sprayed on. As shown in Fig. 1 a plurality of corded webs are laid one on top of the other, the middle webs having fibres of greater length and/or denier than those of the outer webs. The sandwich is compacted, needled and split into two. Each split web now has a fibre pick up gradient i.e. the fibres of the face region are of the smaller length and/or density than those of the back region. Needling thus densifies the face region more than the back region. (Where splitting is not used a 2 or 3 layer composite web is given its first needling from the face side only.) Two corded layers of # to ½ inch length and ¼ to 2 denier fibres are applied to the face surface, the second layer preferably having the fibres of smallest length and denier. The fabric is needed a second time, dipped in a concentrated aqueous solution of a wetting agent soap or thickening agent so as to facilitate a third needling, then washed and dried. Preferably no more than ½ inch of each needle penetrates through the thickness of the fabric during needling. The fabric is then passed between a roll having a plurality of upstanding wires and a friction roll, there being a difference of 1 to 100 percent in their peripheral speeds, the friction roll preferably rotating faster. Alternatively the fabric is transversely stretched on a tenter and then heated with hot air. The fibre entanglement is thereby lessened, fibre relaxation encouraged, the ratio of longitudinal transverse stress-strain modulus reduced to 2 or even to unity, and heat shrinkage of the face region facilitated. The fabric is hot pressed between two belts. In example 1 the first portion of the upper belt is maintained at 460°F. The lower belt and the second portion of the upper belt is maintained below 200°C by circulating cooling water through heat exchanger over which the belts pass. The fibres preferably have 3 to 28 crimps per inch and are nylon, polyester, polyacrylic, polyethylene, polypropylene, polyvinyl chloride, polyvinyl acetate, polyvinyl alcohol, cotton, collagen, wool and combinations thereof. The fabric may comprise 5 to 200 percent by weight of the fibres of a filler, giving a total bulk density of 20-45 lbs/ft³. Preferably the filler is an organic polymer such as collagen. Natural rubber, silicone or fluorosilicon rubber, polyacrylonitrile, polyethylene polypropylene, chlorosulphonated polyethylene, plasticised P.V.C., copolymers of tetrafluoroethylene and chlorotrifluoroethylene, polysulphides, polychloroprene, polymers and copolymers of butadiene, isobutylene butene and pentene and copolymers of alkyl acrylates with vinyl ethers. Alternatively finely divided chalk, bentonite, kaolin, talc, clays, asbestos, diatomaceous earth, silica flour, mica, magnesium silicate, zeolites, carbon black, zinc oxide, barytes, or ferric oxide may be bonded to the fibres with P.V.C., natural rubber or butadiene, polychloroprene, polyurethane or silicon rubber. In example 1 a natural rubber latex is added onto the fabric and coagulated by 10 minutes treatment with steam at 218°F. Preferably the filler forms spheres arranged in groups and loosely bonds the fibres.

Classifications:

International (IPC 8-9): A43B1/00 A43B13/02 A43B17/00 B05D1/42 B32B27/12 B32B5/02 B32B5/06 D04B1/00 D04B19/00 D04H1/46 D04H1/48 D04H1/488 D04H18/00 D04H18/02 D04H5/02 D06N3/00 D06N3/02 D06N3/08 D06N7/04 (Advanced/Invention); B32B5/02 (Advanced/Non-invention); A43B1/00 A43B13/02 A43B17/00 B05D1/40 B32B27/12 D04B1/00 D04B19/00 D04H1/46 D04H1/48 D04H18/00 D04H5/00 D06N3/00 D06N7/00 (Core/Invention); B32B5/02 (Core/Non-invention)

International (IPC 1-7): A43B1/00 A43B13/02 A43B17/00 B05D1/42 B32B27/12 B32B5/02 B32B5/06 B32B5/22 C14C D03C D03D D03D27/12 D04B19/00 D04B7/00 D04H1/00 D04H1/46 D04H1/48 D04H1/50 D04H1/64 D04H1/70 D04H18/00 D04H5/02 D06C D06M D06N3/00 D06N3/02 D06N3/08 D06N3/14 D06N7/00 D06N7/06

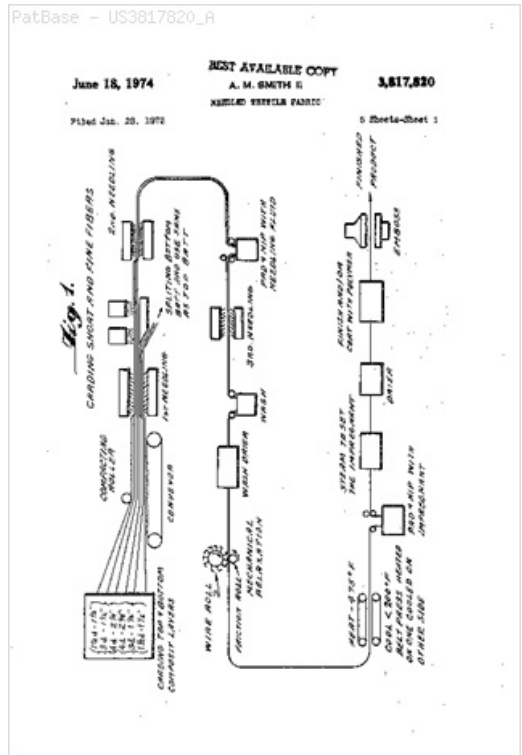
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European: B32B27/12 D04H1/46 D04H1/48 D04H18/00 D04H18/02 D06C19/00 D06N3/00B

US: 161/15.4 26/18.6 28/103 28/108 28/109 28/111 28/112 28/115 28/158 28/163 28/169 28/72.2R 427/245 427/270 427/358 428/151 428/172 428/175 428/218 428/300 428/315.5 428/361 428/362 428/401 428/904 428/91 428/96 442/388 442/402 442/417

JP F-Term: 4F055/AA01 4F055/AA27 4F055/BA12 4F055/BA14 4F055/BA16 4F055/CA18 4F055/DA09 4F055/EA04 4F055/EA16 4F055/EA21 4F055/EA23 4F055/EA27 4F055/EA30 4F055/EA31 4F055/EA34 4F055/FA04 4F055/GA01 4F055/GA40 4L002/4L002/AA02 4L002/AA03 4L002/AA06 4L002/AA07 4L002/AA08 4L002/AC02 4L002/AC07 4L002/BB01 4L002/DA00 4L002/DA01 4L002/DA03 4L002/EA02 4L002/EA08 4L002/FA00 4L047/4L047/AA13 4L047/AA19 4L047/AB02 4L047/AB07 4L047/AB10 4L047/BA03 4L047/BA12 4L047/BA24 4L047/BD01 4L047/CA02 4L047/CA14 4L047/CA19 4L047/CB08 4L047/CB10 4L047/CC01 4L047/CC16 4L047/DA00 4L047/CC06 4L047/CC12 4L047/EA14 4L047/EA18 4L047/EA22 4F055/BA13 4F055/CA14 4F055/CA16 4F055/DA11 4F055/FA15 4F055/GA03 4F055/GA22 4F055/HA02 4F055/HA03 4F055/HA06 4F055/HA18 4F055/HA22 4L047/AA29 4L047/BA15 4L047/CA08 4L047/CA12 4L047/EA09 4F055/AA02 4F055/BA02 4F055/DA07 4F055/DA17 4F055/EA22 4F055/EA24 4F055/FA16 4F055/GA02 4F055/GA21 4F055/HA07 4F055/HA12 4F055/HA13 4F055/HA19 4L047/CA04 4L047/CB01

JP F-Index: D04B1/00/B D04H5/02/Z D06N3/00/DAA D04H1/46/Z D04H18/00 D04H18/02 D04H1/64/C D04H1/655 D04H1/64/Z D06N3/00



Family:

Publication number	Publication date	Application number	Application date
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Priority:

19120914	US19720221614	19720128	CA19720156827	19721117
IN1972CA02274	19721229	AU19730050664	19730102	US19730371725
US19730403058	19731003	US19730403059	19731003	US19730407169
IN1974CA00623	19740322	CA19740196441	19740401	US19740457351
US19740476565	19740605	US19740479141	19740613	JP19740114291
CA19740215949	19741213	CA19740216805	19741224	US19750567010
CA19760253947	19760531			19750410

Probable Assignee: CHATHAM MFG INC A CORP OF DELAWARE

Assignee(s): (std): ALEXANDER MARTIN SMITH II ; FIBERNOVEN CORP ; FAJBERUOVEN CORP FA ; FIBERWOVEN TE ELKIN NORTH CAROLINA CORP ; FIBERWOVEN TE ELKIN CAROLINA VE CORP ; FIBERWOVEN CORP EAST MAIN STREET ELKIN NORTH ; FIBERWOVEN CORP ; FIBERWDVEN CORP ; SMITH A ; SORDI ARTURO

Assignee(s): FUAIBAAUUBUN CORP ZA ; SMITH ALEXANDER M ; FIBERNOVEN CORP US ; FIRST NATIONAL BANK OF BOSTON ; FIBERWOVEN CORP EAST MAIN STREET ELKIN NORTH C ; FIBERWOVEN TE ELKIN CAROLINA VER S CORP ; FIBERWOVEN CORP US ; FIBERWOVEN CORP ELKIN N C V ST A ; FIBERWOVEN CORP ELKIN N C US ; FIBERWOVEN CORP EAST MAIN STREET ELKIN NORTH CAROLINA E U A ; FIBERWOVEN TE ELKIN NORTH CAROLINA VER ST V AM CORP ; FIBERWOVEN TE ELKIN CAROLINA VER ST V AM CORP ; FIBERWOVEN THE CORP ; CMI IND INC A DE CORP ; FAJBERUOVEN CORP FIRMA ; CMI IND ; CHATHAM MANU CTURING FA ; CHATHAM MFG ; CHATHAM MFG ACQUISITION A CORP OF DELAWARE CORP ; CHATHAM MFG CO A CORP OF NORTH CAROLINA ; CHATHAM MFG INC ; CHATHAM MFG INC A CORP OF DELAWARE

Inventor(s): (std): SMITH II A ; SMITH II ALEXANDER M ; SMITH II ALEXANDER MARTIN ; SMITH ALEXANDER MARTIN ; SMIT ALEKSANDR MARTIN ; SMITH A M ; SMITH ALEXANDER M II ; SMITH A ; ALEXANDER MARTIN SMITH IL ; AM SMITH ; AREKISANDAA MAACHIN SUMISU ZA SEKANDO ; AREKISANDAA MAACHIN SUMISU ZA ; ALEKSANDR MARTIN SMIT US ; SORDI ARTURO ; SMITH ALEXANDER M ; SMITH ALEXANDER MARTIN II

Inventor(s): ALEXANDER MARTIN SMITH E ; ALEXANDER MARTIN SMITH II ; MARTIN SMITH II ALEXANDER ; SMITH A US ; SMITH ALEXANDER MARTIN ELKIN N C V ST A ; A M SMITH ; ARTURO SORDI ; SMITH II ALEXANDER MARTIN ELKIN NC VSTA ; SMITH II ALEXANDER MARTIN ELKIN NC ; SMITH ALEXANDER MARTIN ELKIN N C ; SMITH II ALEXANDER MARTIN ELKIN N C V ST A ; SMITH II ALEXANDER MARTIN ELKIN N C

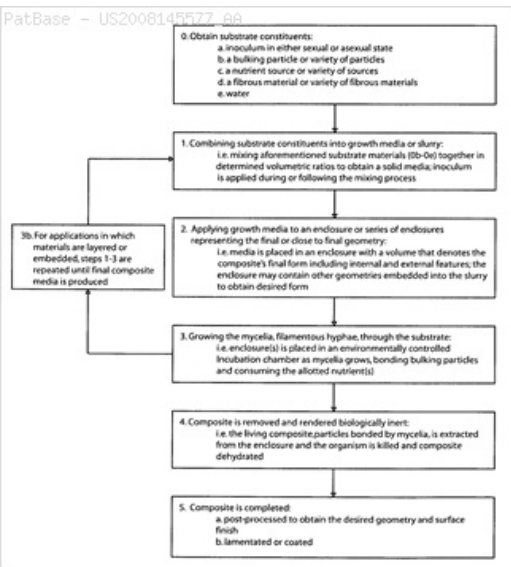
6) Family number: 41930614 (US2008145577A) © PatBase

Title: METHOD FOR PRODUCING GROWN MATERIALS AND PRODUCTS MADE THEREBY

Abstract: The composite material is comprised of a substrate of discrete particles and a network of interconnected mycelia cells bonding the discrete particles together. The composite material is made by inoculating a substrate of discrete particles and a nutrient material with a preselected fungus. The fungus digests the nutrient material over a period of time sufficient to grow hyphae and to allow the hyphae to form a network of interconnected mycelia cells through and around the discrete particles thereby bonding the discrete particles together to form a self-supporting composite material. In another embodiment, the fungus is allowed to grow as a fruiting body out of the substrate and within an enclosure to completely fill the enclosure to form a self-supporting structure.

Classifications:
International (IPC 8-9): A01G1/00 A01G1/04 A01G18/00 A01H15/00
B27N3/00 B27N5/00 B27N5/02 B32B5/02 B32B5/16 B65D65/38
B65D75/28 B65D81/113 B65D81/38 C05D9/00 C12M1/00 C12M1/12
C12M1/38 C12N C12N1/00 C12N1/04 C12N1/14 C12N11/00 C12N11/14

C12P1/02 D21H21/14 E04B1/80 F16L59/00 (Advanced/Invention);
A01G1/00 A01G1/04 B27N5/00 B32B5/00 B65D65/38 B65D75/28
B65D81/38 C05D9/00 C12M1/12 C12M1/36 C12N1/00 C12N1/14
C12N11/00 C12P1/00 C12P1/02 F16L59/00 (Core/Invention);
A01G C05D C12N C12P (Subclass/Invention)
International (IPC 1-7): C12P1/02
CPC: C05F11/00 A01H15/00 A01G18/00 A01G18/64 C05D9/00 C12N1/14
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B32B5/16 B32B2439/00
European: A01G1/04D C05D9/00 C12N1/14 C12N11/14
US: 1/1 156/62.2 428/221 428/35.6 428/35.600P 428/411.1
428/411.100S 435/171 435/174 435/254.1 435/254.100S 47/1.1
47/58.1R 800/297
JP F-Term: 2B260 2B260/BA07 2B260/BA11 2B260/BA13 2B260/BA18
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2B011/HA00 2B260/BA20 2B260/BA30 2B260/CB01 2B260/DB24
3E066/AA01 3E066/AA21 3E066/BA01 3E066/CA03 3E066/CA04
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A01G18/40 A01G18/50 B27N3/00/Z B65D81/05 C12M1/00/C C12N1/00/N



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Publication number	Publication date	Application number	Application date
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CA2834095 AA	20131023	CA20122834095	20120425
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EP2094856 A4	20111228	EP20070870920	20071213
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EP2702137 A1	20140305	EP20120777735	20120425
EP2702137 A4	20150422	EP20120777735	20120425
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US2012270302 AA	20121025	US20120454856	20120424
US2012315687 AA	20121213	US20120492230	20120608
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US2013280791 AA	20131024	US20130865321	20130418
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US2015247115 AA	20150903	US20150712546	20150514
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US9801345 BB	20171031	US20130856677	20130404
US9803171 BB	20171031	US20130865321	20130418
WO08073489 A2	20080619	WO2007US25475	20071213
WO08073489 A3	20080912	WO2007US25475	20071213
WO12148995 A1	20121101	WO2012US34960	20120425
WO12148995 A8	20131205	WO2012US34960	20120425

Priority:

US20060875243P	20061215	US20070927458P	20070503	US20070001556	20071212
AU20070333545	20071213	JP20090541374	20071213	EP20070870920	20071213
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US20150712138	20150514	US20160266760	20160915	US20160266640	20160915

Probable Assignee: ECOVATIVE DESIGN LLC

Assignee(s): (std): ARALDI SARAH ; BAYER EBEN ; ECOVATIVE DESIGN LLC ; ECOVATIVE DESIGN LLC OF ; MCLNTYRE GAVIN ; SWERSEY BURT L ; RENSSSLAER POLYTECH INST ; MCINTYRE GAVIN ; MCINTYRE GAVIN R

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Inventor(s): (std): BAYER EBEN ; SWERSEY BURT L ; BURT L SWERSEY ; SWERSEY BURT ; ARALDI SARAH ; EBEN BAYER ; GAVIN MCLNTYRE ; MCINTYRE GAVIN R ; MCLNTYRE GAVIN ; MCINTYRE GAVIN

Inventor(s): BAYER EBENUS ; MCINTYRE GAVINUS ; SWERSEY BURT LUS ; SWERSEY BURT L STEPHENTOWN ; BAYER EBEN TROY ; MCINTYRE GAVIN GREEN ISLAND ; MCINTYRE GAVIN TROY

Agent(s): A J PARK ; AJ PARK ; RIDOUT AND MAYBEE LLP ; HASELTINE LAKE LLP ; JOHNSTON MAGNUS GEORGE ; CARVAJAL Y ISABEL ; REINHOLD COHN AND PARTNERS ; ASAMURA KIYOSHI ; IKEDA YUKIHIRO ; NAGANUMA TERUO ; ASAMURA PATENT OFFICE PC ; ASAMURA HAJIME ; YESIM METIN ; FRANCIS C HAND ESQ C O CARELLA BYRNE BAIN GILFILLAN CECCHI STEWART AND OLSTEIN ; FRANCIS C ; CARELLA BRYNE ET AL ; CARELLA BYRNE ET AL ; CARELLA BYRNE BAIN ; HAND FRANCIS C

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 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

7) Family number: 34462462 (WO08107664A1)

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Title: PLANT FIBRE MAT AND METHOD OF MAKING A PLANT FIBRE MAT

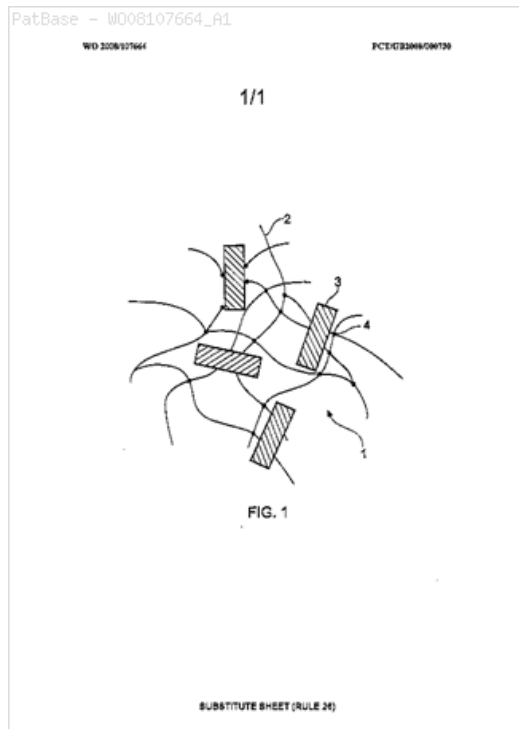
Abstract: A fibre mat has plant-derived fibres arranged in a fibrous network and a plant-derived material, different from the plant-derived fibres, held within the fibrous network. The fibrous network comprises an array of linked fibres, the fibres each being substantially single fibres. The mat also has a heat activated binder component. Also disclosed are methods for forming the fibre mat and fibre panels formed from fibre mats.

Classifications:

International (IPC 8-9): B27N3/12 B27N3/14 D04H1/04 D04H1/4266 D04H1/60 D04H5/04 E04B1/74 F16L59/00 (Advanced/Invention)

CPC: Y02A30/245 B27N3/12 D04H1/48 D04H5/04 E04B1/88 B27N3/04 B32B5/26 B32B9/02 B32B27/04 D04H1/04 D04H1/4266 D04H1/60 E04B1/90 E04B2001/745 E04B2001/7687 E04B2001/8461 E04C2/16 F16L59/026

European: B27N3/04 B27N3/12 B32B27/04 B32B5/26 B32B9/02 D04H1/04 D04H1/4266 D04H1/48 D04H1/60 D04H5/04 E04B1/88 E04B1/90 E04C2/16 F16L59/02C P04B1/74M3 P04B1/76Q P04B1/84S2



Family:

Publication number	Publication date	Application number	Application date
EP2118351 A1	20091118	EP20080718597	20080304
GB200704236 A0	20070411	GB20070004236	20070305
GB2452235 A1	20090304	GB20070004236	20070305
WO08107664 A1	20080912	WO2008GB00730	20080304

Priority:

GB20070004236 20070305 WO2008GB00730 20080304

Probable Assignee: ECO MATS LTD

Assignee(s): (std): ECO MATS LTD ; ECOTECHNILIN LTD ; SPINNEY DOUGLAS ; TOPHAM PETER

Assignee(s): ECOTECHNILIN LIMITED

Inventor(s): (std): SPINNEY DOUGLAS ; TOPHAM PETER ; TOPHAM PETER DOUGLAS TEMPLE

Inventor(s): PETER DOUGLAS TEMPLE TOPHAM ; DOUGLAS SPINNEY

Agent(s): NAYLOR MATTHEW JOHN; NAYLOR MATTHEW 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

8) Family number: 50640390 (US2012036772A)

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Title: SEED PANEL

Abstract: The present disclosure provides a composite article including at least one seed for planting and a method of forming the composite article. The composite article includes a substrate element and a cover element spaced from the substrate element. An adhesive layer is disposed between the substrate element and the cover element for coupling the substrate element and the cover element to one another. The composite article further includes at least one seed abutting the adhesive layer and disposed between the substrate element and the cover element. The cover element is configured to be separated from the adhesive layer for exposing at least a portion of the seed. The present disclosure also provides a method of forming the composite article and a method of planting the seed.

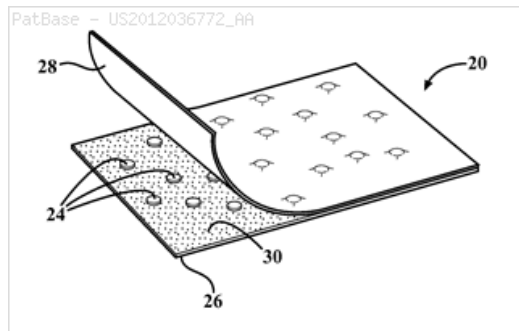
Classifications:

International (IPC 8-9): A01C1/04 A01C1/06 A01C7/02 A01G1/00 A01G9/02 A01G9/10 B32B38/10 B65B7/00 (Advanced/Invention)

CPC: B32B38/10 Y10T156/10 Y10T156/1052 A01G9/026 A01C1/06 A01G9/021 A01C1/044 A01G9/029 A01G9/0291

European: A01C1/04B A01G9/10

US: 1/1 111/104 111/104S 156/249 156/250 156/60 47/56 47/56P 47/57.6 53/476 53/476S



Family:

Publication number	Publication date	Application number	Application date
US2012036772 AA	20120216	US20110206857	20110810
US2013185995 AA	20130725	US20130796016	20130312
US2013269248 AA	20131017	US20130841972	20130315
US2014298720 AA	20141009	US20140311961	20140623
US2017006767 AA	20170112	US20160177601	20160609
US9220190 BB	20151229	US20140311961	20140623
US9363940 BB	20160614	US20130841972	20130315

Priority:

US20100372696P 20100811 US20110206857 20110810 US20130796016 20130312
US20130841972 20130315 US20140311961 20140623 US20160177601 20160609

Probable Assignee: UFP TECHNOLOGIES INC

Assignee(s): (std): GALLIGAN MAURA ; KENNEDY GREGORY ; STEWART DAVID ; UFP TECH INC ; UFP TECHNOLOGIES INC ; UFPTECHNOLOGIES INC

Inventor(s): (std): KENNEDY GREGORY ; STEWART DAVID ; GALLIGAN MAURA ; STEWART DAVID E

Agent(s): HOWARD AND HOWARD ATTORNEYS PLLC

9) Family number: 54909542 (WO13144449A1)

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Title: PEAT MOSS STRUCTURES

Abstract: The invention relates to composite structures comprising peat moss, to a foam-laid method for their manufacture and to the use thereof.

Classifications:

International (IPC 8-9): A01G13/00 A01G13/02 A01G9/10 A61L15/20 B29C67/20 C05F11/02 C05F11/04 C08J9/30 C09K17/52 C09K3/32 D21F11/00 D21J1/06 D21J1/20 (Advanced/Invention)

CPC: C05F11/04 C09K3/32 C09K17/52 C05F11/02 D21F11/002 A01G13/0268 C08J9/30 A61L15/20 B29C67/20 D21J1/06 D21J1/20 A01G9/029

PatBase - WO13144449_A1

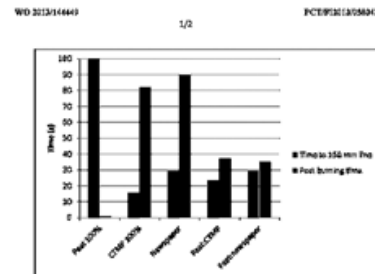


Fig. 1

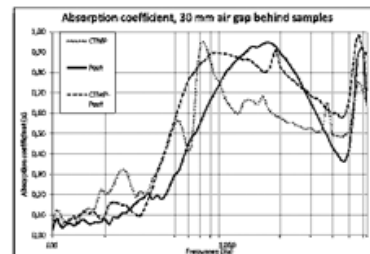


Fig. 2

Family:

Publication number	Publication date	Application number	Application date
CA2868935 AA	20140929	CA20132868935	20130327
EP2831157 A1	20150204	EP20130769922	20130327
EP2831157 A4	20160413	EP20130769922	20130327
FI126092 B	20160630	FI20120005353	20120328
FI20125353 A	20130929	FI20120005353	20120328
WO13144449 A1	20131003	WO2013FI50342	20130327

Priority:

FI20120005353 20120328 WO2013FI50342 20130327

Probable Assignee: TEKNOLOGIAN TUTKIMUSKESKUS VTT OY

Assignee(s): (std): TEKNOLOGIAN TUTKIMUSKESKUS VTT ; TEKNOLOGIAN TUTKIMUSKESKUS VTT OY

Assignee(s): TEKNOLOGIAN TUTKIMUSKESKUS VTTVUORIMIEHENTIE 3 (ESPOO)FI-02044VTTFI ; ERKKILA ARI ; HJELT TUOMO ; IMMONEN KIRSI ; KINNUNEN KARITA ; LEHMENEN JANI

Inventor(s): (std): IMMONEN KIRSI ; ERKKILAE ARI ; HJELT TUOMO ; KINNUNEN KARITA ; LEHMENEN JANI ; ERKKILA ARI

Inventor(s): LEHMENEN JANIFI ; IMMONEN KIRSIFI ; ERKKILA ARIFI ; HJELT TUOMOFI ; KINNUNEN KARITAFI

Agent(s): SMART AND BIGGAR; BOCO IP OY AB; BORENIUS AND CO OY AB

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 LG LR LS LT LU LV LY MA MC MD ME MG MK ML MN MR MT MW MX MY NZ NA NE NG NI NO NZ OM PZ 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: 41802242 (US2009275690A)

PatBase

Title: ARTICLES COMPRISING NONPOLAR POLYOLEFIN AND POLYURETHANE, AND METHODS FOR THEIR PREPARATION AND USE

Abstract: The adhesion between a low surface energy (i.e., nonpolar) material, e.g., a polyolefin such as polyethylene, and a high surface energy (i.e., polar) material, e.g., a polyester, polyurethane, polycarbonate or polylactic acid, is promoted by blending with the nonpolar material typically from 15 to less than 50 wt percent of a diol-based thermoplastic polyurethane (d-TPU), e.g., a polydiene diol-based TPU, based on the combined weight of the nonpolar material and the d-TPU. The promoted adhesion allows for the effective painting, printing, over-molding or HF-welding of a nonpolar substrate, e.g., a polyolefin film, with a polar coating, e.g., a paint, ink, etc. Aqueous dispersions can also be made from the blend of nonpolar material and d-TPU.

Classifications:

International (IPC 8-9): A41G1/00 B32B27/32 B32B27/36 B32B27/40 B32B3/10 B62D25/02 C08F210/02 C08G18/69 C08J3/03 C08J3/05 C08J3/09 C08J3/24 C08J5/00 C08J5/18 C08L101/00 C08L23/00 C08L23/02 C08L23/04 C08L23/08 C08L23/12 C08L23/16 C08L23/18 C08L23/22 C08L23/28 C08L27/00 C08L47/00 C08L53/00 C08L67/00 C08L71/00 C08L75/04 C08L75/06 C08L75/14 C08L9/00 C09D101/00 C09D123/02 C09D129/04 C09D131/04 C09D133/00 C09D153/00 C09D161/28 C09D167/00 C09D167/08 C09D169/00 C09D175/04 C09D175/06 C09D175/08 C09D177/00 C09D179/08 C09D5/02 C09D5/03 C09J129/04 C09J153/00 C09J167/00 C09J169/00 C09J171/00 C09J175/04 C09J175/06 C09J175/08 C09J175/14 C09J177/00 C09J179/08 C09J201/00 C09K3/10 (Advanced/Invention); C08G18/62 (Advanced/Non-invention); A41G1/00 B32B27/32 B32B27/36 B32B27/40 B32B3/10 B62D25/00 B62J9/00 C08F210/00 C08G18/00 C08J3/02 C08J5/00 C08J5/18 C08L101/00 C08L23/00 C08L53/00 C08L67/00 C08L71/00 C08L75/00 C09D101/00 C09D129/00 C09D131/00 C09D133/00 C09D153/00 C09D161/20 C09D167/00 C09D167/08 C09D169/00 C09D175/04 C09D175/06 C09D175/08 C09D177/00 C09D179/00 C09D5/02 C09D5/03 C09J129/00 C09J153/00 C09J167/00 C09J169/00 C09J171/00 C09J175/04 C09J175/06 C09J175/08 C09J175/14 C09J177/00 C09J179/00 C09J201/00 C09K3/10 (Core/Invention); C08G18/00 C08L23/00 C08L53/00 C08L75/04 (Core/Non-invention)

International (IPC 1-7): B62J9/00 C08L23/00 C08L23/02 C08L23/04 C08L75/04 C09D123/02 C08G2140/00 C08G2150/20 C08L9/00 C08L23/18 C08L32/22 C08L75/08 C08L75/14 C08L2205/03 C08L2205/08 Y10T428/24802 C08G18/69 C08L23/02 C08L75/06 C09D123/02 Y10T428/31551 C08L75/04

European: C08G18/69 C08L23/02 C08L23/18 C08L23/22 C08L75/04 C08L75/06 C08L75/08 C08L9/00 C09D123/02 M08G140/00 M08G150/20 M08L205/03 M08L205/08 M08L23/18 M08L23/22 M08L75/04 M08L75/06 M08L75/14 M08L9/00

US: 428/17 428/17P 428/195.1 428/195.100S 428/423.1 428/423.100S 524/507 525/123 525/123S 525/130 525/455 525/92.00CS 525/92C

JP F-Term: 3D203 3D203/CA07 3D203/CA12 3D203/CA79 3D203/CA86 3D203/CB07 3D203/DA13 3D203/DA32 3D203/DA51 4F100 4F100/AJ04/B 4F100/AK03/A 4F100/AK07/A 4F100/AK12/A 4F100/AK14/A 4F100/AK21/A 4F100/AK22/B 4F100/AK24/A 4F100/AK25/B 4F100/AK29/A 4F100/AK36/B 4F100/AK41/A 4F100/AK41/B 4F100/AK45/A 4F100/AK45/B 4F100/AK46/A 4F100/AK49/A 4F100/AK51/A 4F100/AK51/B 4F100/AK54/A 4F100/AK62/A 4F100/AK63/A 4F100/AK64/A 4F100/AK65/A 4F100/AK66/A 4F100/AL01/A 4F100/AL02/A 4F100/AL05/B 4F100/AL09/A 4F100/BA02 4F100/BA07 4F100/CA02/A 4F100/CA30/A 4F100/CA30/B 4F100/CB00/A 4F100/DG00/A 4F100/DG00/B 4F100/DJ01/A 4F100/DJ01/B 4F100/EH17/A 4F100/EH46/B 4F100/EJ53/A 4F100/GB07 4F100/GB32 4F100/GB51 4F100/GB74 4F100/GB90 4F100/JA04/A 4F100/JA06/A 4F100/JA07/A 4F100/JA13/A 4F100/JB08/B 4F100/JB09/B 4F100/JB16/A 4F100/JK20/A 4F100/JL11 4F100/YY00/A 4J002 4J002/BB05/W 4J002/BB15/W 4J002/BE02/4 4J002/BF02/4 4J002/CF00/4 4J002/CG01/4 4J002/CH00/4 4J002/CK02/4 4J002/CK02/X 4J002/CK05/Y 4J002/CL00/4 4J002/CL08/4 4J002/CM04/4 4J002/GC00 4J002/GH00 4J002/GJ01 4J002/GL00 4J002/GM01 4J002/GN00 4J002/GQ00 4J034 4J034/AA06 4J034/BA03 4J034/GA06 4J034/GA33 4J034/HA01 4J034/HA07 4J034/HC03 4J034/HC12 4J034/HC13 4J034/HC17 4J034/HC22 4J034/HC46 4J034/HC52 4J034/HC61 4J034/HC64 4J034/HC67 4J034/HC71 4J034/HC73 4J034/RA03 4J034/RA07 4J034/RA08 4J034/RA10 4J034/RA12 4J034/RA14 4J040 4J040/DA03/1 4J040/DA04/1 4J040/DA12/1 4J040/ED00/1 4J040/EE00/1 4J040/EF00/1 4J040/EF11/1 4J040/EF13/1 4J040/EF18/1 4J040/EG00/1 4F070 4F070/AA13 4F070/AA53 4F070/CB01 4F070/CB04 4F071 4F071/AA15 4F071/AA53 4F071/BB06 4F071/BC01 4F071/BC10 4F071/BC12 4F071/BC17 4F100/AJ04 4F100/AK01 4F100/AK03 4F100/AK21 4F100/AK22 4F100/AK25 4F100/AK28 4F100/AK36 4F100/AK41 4F100/AK45 4F100/AK46 4F100/AK49 4F100/AK51 4F100/AK54 4F100/AK62 4F100/AL01 4F100/AL05 4F100/AT00 4F100/BA01 4F100/CB00 4F100/CC00 4F100/DA02 4F100/DG12 4F100/DJ01 4F100/EH17 4F100/EH36 4F100/GB17 4F100/GB33 4F100/JA06 4F100/JA07 4F100/JA13 4F100/JA20 4F100/JB05 4F100/JB16 4F100/JK03 4F100/JK07 4F100/JK08 4F100/JK09 4F100/JK12 4F100/YY00 4H017 4H017/AB03 4H017/AB10 4H017/AB13 4H017/AB17 4H017/AC09 4H017/AC16 4H017/AC17 4H017/AD06 4H017/AE05 4J002/BB02 4J002/CF00 4J002/CF19 4J002/CH00 4J002/CK03 4J002/CK05 4J002/CL00 4J002/GH01 4J002/GK00 4J002/GQ01 4J034/DA01 4J034/DB04 4J034/DP19 4J034/QB01 4J034/QD01 4J034/QD04 4J034/RA09 4J038 4J038/BA02 4J038/CF02 4J038/CG00 4J038/CQ00 4J038/DA16 4J038/DD00 4J038/DD08 4J038/DD23 4J038/DE00 4J038/DG00 4J038/DG11 4J038/DG13 4J038/DG26 4J038/DG28 4J038/DH00 4J038/DJ04 4J038/DJ05 4J038/JA17 4J038/JA20 4J038/JA21 4J038/MA02 4J038/MA10 4J038/NA01 4J038/NA03 4J038/NA09 4J038/NA11 4J038/NA12 4J038/PC07 4J038/PC08 4J040/DD02 4J040/DE02 4J040/DF00 4J040/DM00 4J040/ED00 4J040/ED05 4J040/ED08 4J040/EE00 4J040/EF11 4J040/EF13 4J040/EF25 4J040/EF28 4J040/EG00 4J040/EH03 4J040/JA03 4J040/JB01 4J040/JB02 4J040/LA06 4J040/MA10 4J040/MB03 4J040/MB05 4J040/NA06 4J040/NA08 4J040/NA10 4J040/NA13 4J040/NA15 4J040/NA16 4J100 4J100/AA02 4J100/AA03 4J100/AA04 4J100/AA06 4J100/AA07 4J100/AA16 4J100/AA17 4J100/AA19 4J100/CA04 4J100/CA25 4J100/DA04 4J100/DA24 4J100/DA42 4J100/DA49 4J100/FA10 4J100/FA19 4J100/FA28 4J100/FA29 4J100/JA01 4J100/JA03 4J100/JA11 4J100/JA28 4J100/JA44 4F100/AB01 4F100/AC06 4F100/AE01 4F100/AK07 4F100/AK23 4F100/AP00 4F100/AR00 4F100/BA03 4F100/BA10 4F100/DG11 4F100/EH46 4F100/GB46 4F100/GB72 4F100/GB84 4F100/JG10 4J002/BB03 4J002/BB12 4J002/BB16 4J002/BP02 4J002/BP03 4J002/GF00 4J034/DQ09 4J034/KC16 4J034/KC35 4J034/KC37

JP F-Index: B32B27/32/C B32B27/32/Z B32B27/36/102 B32B27/40 B62D25/02/A C08G18/69 C08L101/00 C08L23/02 C08L75/04 C08L75/14 C09J175/04 C09J175/06 C09J201/00 B32B27/30 C08F210/02 C08G18/36 C08J3/03/CFF C08J3/09 C08J5/18/CES C08L23/08 C08L53/00 C08L67/00 C08L71/00 C08L75/06 C09D101/00 C09D129/04 C09D131/04 C09D133/00 C09D153/00 C09D161/28 C09D167/00 C09D167/08 C09D169/00 C09D175/04 C09D175/06 C09D175/08 C09D175/14 C09D177/00 C09D179/08/D C09D179/08/Z C09D5/02 C09D5/03 C09J129/04 C09J153/00 C09J167/00 C09J169/00 C09J171/00 C09J175/06 C09J175/08 C09J177/00 C09J179/08/Z C09K3/10/D C09K3/10/Z C08G18/48 C08G18/62 C08L23/00

Family:

Publication number	Publication date	Application number	Application date
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JP5378224 B2	20131225	JP20090535438T	20071031
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WO08057878 A3	20080731	WO2007US83141	20071031
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WO08057881 A3	20080731	WO2007US83149	20071031
WO08057886 A2	20080515	WO2007US83163	20071031
WO08057886 A3	20080731	WO2007US83163	20071031
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Priority:

US20060863887P 20061101	US20070894353P 20070312	US20070952266P 20070727
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WO2007US83141 20071031	WO2007US83163 20071031	WO2007US83149 20071031

Probable Assignee: DOW GLOBAL TECHNOLOGIES LLC

Assignee(s): (std): AMSEMS PATRICIA ; ANSEMS PATRICIA ; BATRA ASHISH ; CUI XIUHUA ; DOW GLOBAL TECHNOLOGIES INC ; DOW GLOBAL TECHNOLOGIES LLC ; KALINOWSKI MATTHEW J ; WEAVER LAURA B ; STRANDBURG GARY M ; WALTON KIM L ; KALINKOWSKI MATTHEW J

Assignee(s): DOW GLOBAL TECHNOLOGIES LLC MIDLAND ; DOW GLOBAL TECHNOLOGIES INC US

Inventor(s): (std): WEAVER LAURA B ; KALINOWSKI MATTHEW J ; ANSEMS PATRICIA ; STRANDBURG GARY M ; BATRA ASHISH ; AMSEMS PATRICIA ; WALTON KIM L ; CUI XIUHUA ; KALINKOWSKI MATTHEW J ; ASHISH BATRA ; PATRICIA ANSEMS ; CUI XIU HUA ; LAURA B WEAVER ; MATTHEW J KALINOWSKI ; GARY M STRANDBURG

Inventor(s): WEAVER LAURA B LAKE JACKSON ; BATRA ASHISH LAKE JACKSON ; ANSEMS PATRICIA LAKE JACKSON ; STRANDBURG GARY ; KALINOWSKI MATTHEW ; WEAVER LAURA

Agent(s): SMART AND BIGGAR ; MURGITROYD AND CO ; HAYES ADRIAN CHETWYND ; BOULT WADE TENNANT ; BURFORD ANTHONY FREDERICK ; WHYTE HIRSCHBOECK DUDEK SC DOW INTELLECTUAL PROPERTY DEPARTMENT ; WHYTE HIRSCHBOECK DUDEK SC ; PLOTECHER GARY R

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

11) Family number: 50451614 (US2012005954A)

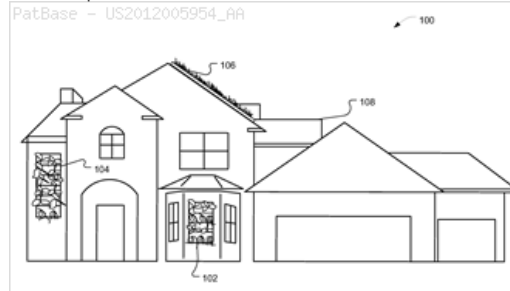
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Title: MODULAR GROWING PANEL SYSTEM AND METHOD FOR COVERING STRUCTURES WITH VEGETATION

Abstract: Provided is a modular growing panel system for attaching vegetation to a surface of a structure. In one aspect, the modular growing panel system includes a growing substrate with a plurality of layers formed into a tile that is rigid and self-supportive of vegetation being grown in the growing substrate. A binder attaches one or more of the tiles to each other and forming the modular growing panel system. In another aspect, the modular growing panel system includes a growing substrate with a plurality of layers formed into a tile that is rigid and self-supportive of vegetation being grown in the growing substrate. A framework for holding and attaching one or more tiles to the structure includes an upper channel having a slot that corresponds to the depth of the tile and a lower channel also having a slot corresponding to the depth of the tile.

Classifications:**International (IPC 8-9):** A01G27/00 A01G9/00 A01G9/02

E04F13/08 (Advanced/Invention)

CPC: A01G9/025 Y02P60/244**European:** A01G9/02C**US:** 1/1 47/65.9 47/65.900P**Family:**

Publication number	Publication date	Application number	Application date
US2012005954 AA	20120112	US20110179523	20110709
US2018000018 AA	20180104	US20170677858	20170815
US9730395 BB	20170815	US20110179523	20110709
WO12006639 A2	20120112	WO2011US43606	20110711
WO12006639 A3	20120510	WO2011US43606	20110711

Priority:

US20070776105 20070711

US20100363053P 20100709

US20110179523 20110709

US20170677858 20170815

Probable Assignee: HARTMAN GARY R**Assignee(s):** (std): HARTMAN GARY R**Assignee(s):** INT HORTICULTURAL TECHNOLOGIES LLC**Inventor(s):** (std): HARTMAN GARY R**Agent(s):** LAMON PATENT SERVICES; WIESNER LELAND

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 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 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

12) Family number: 8999557 (US5415736A)

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Title: NATURAL FIBER CONTAINING SHEET MATERIAL

Abstract: A sheet material, typically paper or cardboard, contains a natural, chemically untreated fibrous material and a secondary long-staple fiber material in a weight ratio comprised between (50-90):(10-50). It further contains fiber fines, at least one retention agent for these fines and at least one sheet strength improving agent. The sheet may be manufactured on paper making machines after preparing a mash from the components listed above and refining. The sheet material is intended to replace paper or cardboard normally made from chemically treated, expensive raw materials.

Classifications:**International (IPC 8-9):** A01G13/02 D21H11/12 D21H11/14 D21H15/06 (Advanced/Invention);

A01G13/02 D21H11/00 (Core/Invention)

International (IPC 1-7): A01G A01G13/02 A01G13/2 D21H11/12 D21H11/14 D21H15/06**CPC:** A01G13/0268 D21H11/12 D21H11/14**European:** A01G13/02 A01G13/02S2 D21H11/12 D21H11/14**US:** 162/111 162/112 162/135 162/141 162/142 162/147 162/148 162/158 162/168.1 162/168.3 162/175 162/178 47/56 47/9**Family:**

Publication number	Publication date	Application number	Application date
AT105138 E	19940515	AT19930810033T	19930120
CA2088951 AA	19930808	CA19932088951	19930205
DE69300001 D1	19940609	DE19936000001	19930120
DE69300001 T2	19940915	DE19936000001T	19930120
EP0556150 A1	19930818	EP19930810033	19930120
EP0556150 B1	19940504	EP19930810033	19930120
ES2052409 T3	19940701	ES19930810033T	19930120
US5415736 A	19950516	US19930013776	19930205

ZA9300563 A	19930831	ZA19930000563	19930126
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Priority:

CH19920000367 19920207 EP19930810033 19930120 CA19932088951 19930205

Probable Assignee: GRETHER TILL

Assignee(s): (std): GRETHER TILL

Assignee(s): GRETHER TILL BISCHOFZELL ; GRETHER TILL BISCHOFZELL CH

Inventor(s): (std): GRETHER TILL

Inventor(s): GRETHER TILL BISCHOFZELL ; GRETHER TILL BISCHOFZELL CH ; TILL GRETHER

Agent(s): FETHERSTONHAUGH AND CO

Designated states: AT BE CH DE ES FR GB GR IT LI NL PT

13) Family number: 55410053 (WO13190565A2)

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Title: PROCESS OF TREATING AND RE-UTILIZING ASSORTED WASTES AND POLYMERS

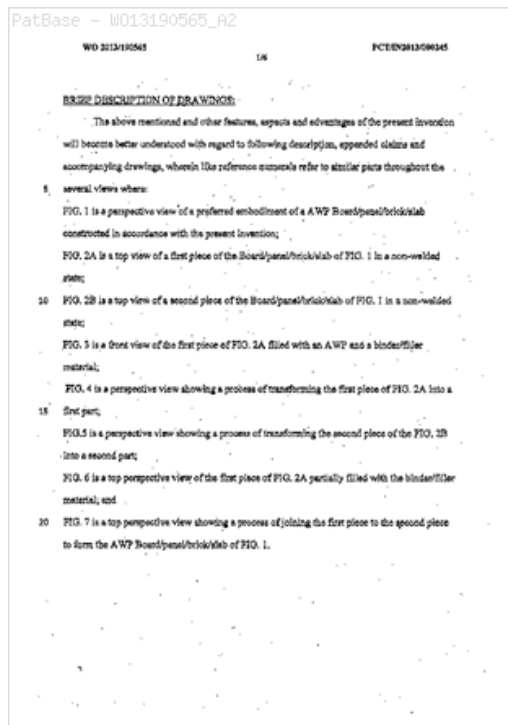
Abstract: Earth and Environment is facing serious hazard due to the rapid production and accumulation of Assorted Waste and Plastics (AWP), containing wastes primarily from used cars, tyres, plastics, MSW, households Industry and many others. The present methods of re-cycling or disposal are costly and inadequate. In the Process of TRAWP invention, after treatment or/and detoxification, the AWP are reused fully as a raw material in. manufacturing and construction activity (indoor and outdoors). An Assorted Waste and Plastics (AWP) Board/panel/brick/slab adapted to treat a bulk AWP material for sustainable environmental reutilization is disclosed. The Board/panel/brick/slab comprises a first part and a second part such that the first part is sequentially filled with a binder/filler. material followed by filling with a AWP material. The second part is securely coupled to the first part to form the AWP Board/panel/brick/slab. A process for preparation of Assorted Waste and Plastics (AWP) Board/panel/brick/slab is also disclosed.

Classifications:

International (IPC 8-9): B09B3/00 B29B17/00 C08J11/00

E04C 2/00 (Advanced/Invention)

CPC: B09B3/00 B09B3/0025 B09B3/0033 B09B3/0041 B29B17/0042 B29L2031/10 Y02W30/62



Family:

Publication number	Publication date	Application number	Application date
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WO13190565 A2	20131227	WO2013IN00245	20130412
WO13190565 A3	20140619	WO2013IN00245	20130412
WO13190565 A4	20140814	WO2013IN00245	20130412

Priority:

IN2012MM01746 20120618 IN2012MU01746 20120618 WO2013IN00245 20130412

Probable Assignee: NAGPAUL RAHUL

Assignee(s): (std): NAGPAUL RAHUL

Inventor(s): (std): NAGPAUL RAHUL

Agent(s): STEWART HAZEL; KHURANA TARUN 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 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 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

Title: GROWING MEDIUM STRUCTURES BASED ON SPHAGNUM MOSS AND METHOD FOR THE MANUFACTURE THEREOF

Abstract: The invention relates to growing medium structures comprising Sphagnum moss, to a foam-laid method for their manufacture and to the use thereof in horticulture, landscaping and forestry applications.

Classifications:

International (IPC 8-9): A01G1/00 A01G23/00 A01G24/28 A01G24/44 A01G24/46 A01G24/48 A01G31/00 A01G9/10 C09K17/52

D21F11/00 (Advanced/Invention)

CPC: D21F11/002 A01G24/00 A01G24/18 A01G9/029 A01G24/28 A01G24/44 A01G24/60 A01G23/00 A01G24/48 A01G24/46

US: 1/1 47/59S



Family:

Publication number	Publication date	Application number	Application date
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EP3048872 A1	20160803	EP20140847890	20140925
EP3048872 A4	20170705	EP20140847890	20140925
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RU2016114407 A	20171031	RU20160114407	20140925
RU2016114407 A3	20180403	RU20160114407	20140925
RU2656551 C2	20180605	RU20160114407	20140925
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WO15044526 A1	20150402	WO2014FI50732	20140925

Priority:

FI20130005965 20130926 RU20160114407 20140925 WO2014FI50732 20140925

Probable Assignee: TEKNOLOGIAN TUTKIMUSKESKUS VTT OY

Assignee(s): (std): TEKNOLOGIAN TUTKIMUSKESKUS VTT ; MAA JA ELINTARVIKETALOUDEN TUTKIMUSKESKUS ; LUONNONVARAKESKUS ; TEKNOLOGIAN TUTKIMUSKESKUS VTT OY

Assignee(s): TAHVONEN RISTO ; SARKKA LIISA ; OKSANEN ANTTI ; KINNUNEN KARITA ; NAKKILA JUHA ; ERKKILA ARI ; HJELT TUOMO ; IMMONEN KIRSI ; JOKINEN KARI

Inventor(s): (std): TAHVONEN RISTO ; HJELT TUOMO ; KINNUNEN KARITA ; NAEKKILAE JUHA ; OKSANEN ANTTI ; SAERKKAE LIISA ; ERKKILAE ARI ; IMMONEN KIRSI ; JOKINEN KARI ; NAKKILA JUHA ; SARKKA LIISA ; ERKKILA ARI ; ERKKILYA ARI ; TAKHVONEN RISTO ; SYARKKYA LIISA ; NYAKKILYA YUKHA ; KHELT TUOMO

Agent(s): SMART AND BIGGAR; BOCO IP OY AB; SV NOVOSLOVA

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

Title: A COMPOSITION FOR PLY, PAPER BOARD AND METHODS THEREOF

Abstract: The present disclosure provides composition and a paper board made from the said composition involving the process of mixing cellulose fiber with powders of known size and type derived from agro materials and optionally mixing with binders with the said fiber - filler mix, retention and dewatering of fiber mix followed by drying of the paper board. The paper board so formed is optionally calendared and coated with functional aids. The resulting board is useful for number of applications such as a low cost replacement for products such as electrical insulation material, stationery support, substance delivery device, gasket, insole, shank board, etc. The said paper board composition can be produced on any conventional paper making techniques in any size and shape.

Classifications:

International (IPC 8-9): D21H11/00 (Advanced/Invention)

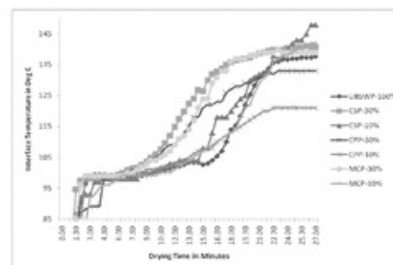


Figure 1

K. Rama
INDIA-1421
O/K & S Partners, Bangalore
Agent for the Applicant

Family:

Publication number	Publication date	Application number	Application date
IN00788CH2011 A	20121116	IN2011CH00788	20110315

Probable Assignee: RAMAN FIBERSCIENCE PVT LTD**Assignee(s):** RAMAN FIBERSCIENCE PVT LTD**Inventor(s):** BASAVARAJU GIRISHA ; GUBBI KRISHNAPPA NATESH ; KRISHNA MARCHIGOWDA**16) Family number: 36071964** (US2009223126A)

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Title: VERTICAL PLANT SUPPORTING SYSTEM

Abstract: A vertical plant support includes a wall having a panel and an anchor layer, and a matrix of tubes being connected to the wall. The anchor layer is located intermediate the panel and the matrix of tubes. The panel can be liquid impermeable and the anchor layer can be liquid permeable.

Classifications:

International (IPC 8-9): A01G1/00 A01G25/00 A01G9/02 A01G9/12
E04F13/00 E04F19/00 (Advanced/Invention);

A01G1/00 A01G25/00 A01G9/02 A01G9/12 E04F13/00
E04F19/00 (Core/Invention)

International (IPC 1-7): A01G9/02 A01G9/12

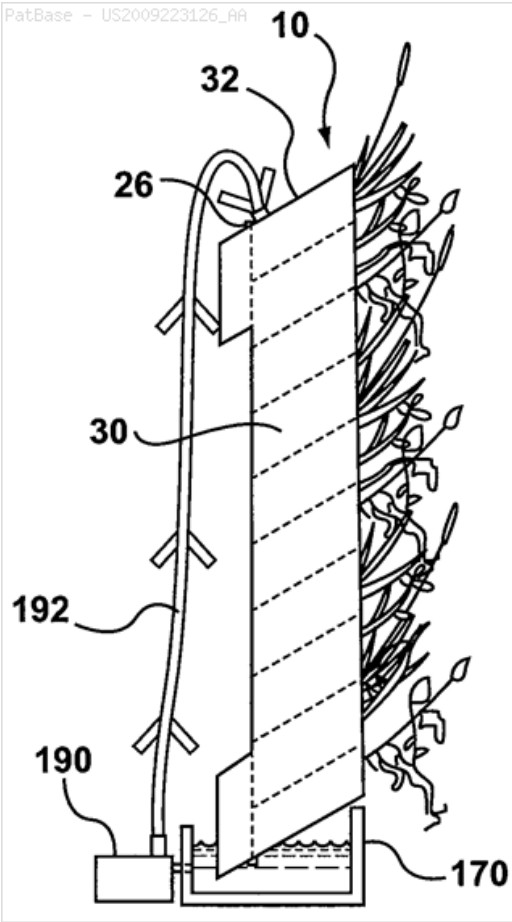
CPC: A01G9/025 E04F13/081 E04F13/083 Y02P60/244

European: A01G9/02C E04F13/08B2C

US: 47/65.5 47/65.500S 47/66.7 47/66.700P 47/82 47/82S

JP F-Term: 2B022 2B022/AB04 2B022/AB08 2B327 2B327/NC02
2B327/NC18 2B327/NC24 2B327/ND02 2B327/NE12 2B327/QA05
2B327/TA04 2B327/TA09 2B327/TA10 2B327/TA11 2B327/TA13
2B327/TA14 2B327/UA04 2B327/UA08 2B327/UA20 2B327/UA21

JP F-Index: A01G1/00/301/C A01G9/02/B A01G9/02/103/T



Family:

Publication number	Publication date	Application number	Application date
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CN101472465 A	20090701	CN200780016313	20070306
CN101472465 B	20110706	CN200780016313	20070306
EP1991044 A1	20081119	EP20070710692	20070306
EP1991044 A4	20120822	EP20070710692	20070306
IN03598KN2008 A	20090220	IN2008KN03598	20080903
JP2009528827 T2	20090813	JP20080557563T	20070306
US2009223126 AA	20090910	US20080204024	20080904
WO07101339 A1	20070913	WO2007CA00357	20070306

Priority:

US20060778842P 20060306 WO2007CA00357 20070306 US20080204024 20080904

Probable Assignee: ELEVATED LANDSCAPE TECHNOLOGIES INC

Assignee(s): (std): ARDRON KEITH ; ELEVATED LANDSCAPE TECHNOLOGIE ; ELEVATED LANDSCAPE TECHNOLOGIES INC ; GARNER GREGORY ; SISLER NEIL

Assignee(s): SISLER NEILMMM

Inventor(s): (std): KEITH ARDRON ; NEIL SISLER ; GREGORY GARNER ; GARNER GREGORY ; SISLER NEIL ; ARDRON KEITH

Agent(s): BERESKIN AND PARR LLP; SMEE ANTHONY JAMES MICHAEL; BERESKIN AND PARR LLP SENCRL SRL

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 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 US UZ VC VN ZA ZM ZW

17) Family number: 40901733 (US2007283653A)

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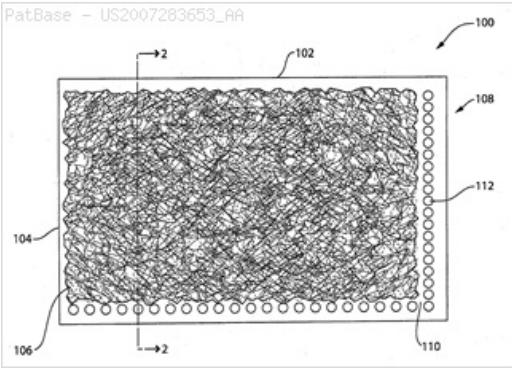
Title: GREEN ROOFING SYSTEM INCLUDING DIMPLED ANCHOR LAYER

Abstract: A roofing panel includes a carrier comprising a web with an upper surface; a plurality of water retention compartments provided in the web and depending generally downwardly from the upper surface of the web; an anchor layer overlying at least a portion of the upper surface of the web, the anchor layer having an underside surface generally bearing against the upper surface of the web; and a plurality of dimples provided in the anchor layer, each of the dimples comprising a protruding portion extending generally downwardly from the underside surface of the anchor layer, each protruding portion adapted to nest at least partially within a respective one of the water retention compartments.

Classifications:

International (IPC 8-9): E04B5/00 (Advanced/Invention);

E04B5/00 (Core/Invention)
CPC: Y02A30/254 E04D11/002 Y02B80/32
European: E04D11/00B Y02B80/32
US: 52/410 52/410P



Family:

Publication number	Publication date	Application number	Application date
US2007283653 AA	20071213	US20060448993	20060608

Priority:

US20060448993 20060608

Probable Assignee: ARDRON KEITH
Assignee(s): (std): ARDRON KEITH ; GARNER GREGORY ; SISLER NEIL
Inventor(s): (std): ARDRON KEITH ; SISLER NEIL ; GARNER GREGORY
Agent(s): BERESKIN AND PARR

18) Family number: 40989342 (CA2549762A)

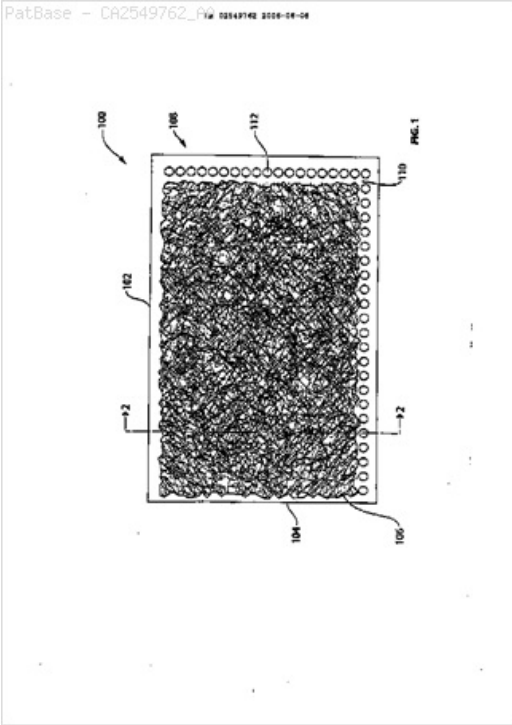
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Title: GREEN ROOFING SYSTEM INCLUDING DIMPLED ANCHOR LAYER

Abstract: A roofing panel includes a carrier comprising a web with an upper surface; a plurality of water retention compartments provided in the web and depending generally downwardly from the upper surface of the web; an anchor layer overlying at least a portion of the upper surface of the web, the anchor layer having an underside surface generally bearing against the upper surface of the web; and a plurality of dimples provided in the anchor layer, each of the dimples comprising a protruding portion extending generally downwardly from the underside surface of the anchor layer, each protruding portion adapted to nest at least partially within a respective one of the water retention compartments.

Classifications:

International (IPC 8-9): A01G1/00 A01G1/12 E04D11/00
E04D13/00 (Advanced/Invention);
A01G1/00 A01G1/12 E04D11/00 E04D13/00 (Core/Invention)
CPC: E04D11/002 Y02B80/32 Y02A30/254 A01G9/033
European: A01G1/00C E04D11/00B Y02B80/32



Family:

Publication number	Publication date	Application number	Application date
CA2549762 AA	20071208	CA20062549762	20060608

Priority:

CA20062549762 20060608

Probable Assignee: ELEVATED LANDSCAPE TECHNOLOGIE
Assignee(s): (std): ELEVATED LANDSCAPE TECHNOLOGIE

Assignee(s): ELEVATED LANDSCAPE TECHNOLOGIES INC ; GARNER GREGORY ; SISLER NEIL ; ARDRON KEITH
Inventor(s): (std): ARDRON KEITH ; GARNER GREGORY ; SISLER NEIL
Agent(s): BERESKIN AND PARR LLP SENCRL SRL

19) Family number: 30341562 (US5460623A)

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Title: TRISECTION SANITARY NAPKIN

Abstract: A sanitary napkin having an absorbent core with three longitudinally oriented trisections, a central trisection flanked by two outboard trisections. The absorbent core is formed of a single layer of tissue. The single layer of tissue is folded on itself to provide a two-ply thickness at each of the outboard trisections and a single thickness at the central trisection. The two plies of the outboard trisections are preferably adhered together. Absorbent gelling materials are disposed in each of the outboard trisections. The central trisection is substantially free of absorbent gelling materials. The sanitary napkin also preferably comprises a secondary topsheet intermediate the topsheet and the absorbent core. The secondary topsheet is also substantially free of absorbent gelling materials.

Classifications:

International (ipc 8-9): A61F13/15 A61F13/20 A61F13/472 A61F13/53

A61F13/56 A61F5/44 B31F1/07 (Advanced/Invention);

A61F13/15 A61F13/45 A61F13/56 A61F5/44 (Advanced/Non-invention);

A61F13/15 A61F5/44 (Core/Invention);

A61F13/15 A61F13/56 (Core/Non-invention)

International (ipc 1-7): A61F13/15 A61F13/20 A61F13/45 A61F13/46

A61F13/47 A61F13/472 A61F13/50 A61F13/53 A61F5/44 B32B31/04

B32B31/20

CPC: A61F13/4704 Y10T156/1023 Y10T156/1039 Y10T156/1041

Y10T156/1054 A61F13/515 A61F13/15707 A61F13/47218 A61F13/47227

A61F13/536 A61F13/15 A61F13/5148 A61F13/531 A61F13/53409

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European: A61F13/15 A61F13/15M6 A61F13/472B A61F13/472B1 A61F13/47B A61F13/515 A61F13/536 K61F13/15F5

K61F13/1538A2 K61F13/1538D K61F13/1538D1 K61F13/15M11H1 K61F13/45C1B K61F13/45C3A K61F13/47D K61F13/494A1D

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US: 156/209 156/219 156/220 156/251 604/358 604/367 604/368 604/372 604/378 604/380 604/385.01 604/385.1 604/385.23

604/385.29

JP F-Term: 3B200 3B200/AA01 3B200/AA03 3B200/EA02 3B200/EA22 3B200/EA24 4C003 4C003/DA00 4C003/GA01 4C098

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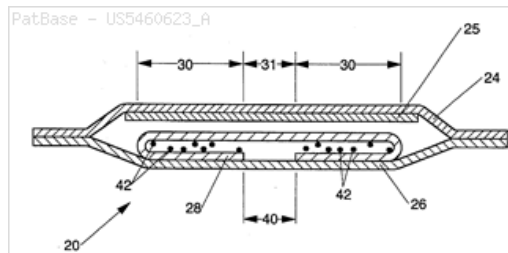
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JP F-Index: A61F13/15/352 A61F13/18/360 A61F5/44/H A61F13/18/301 A61F13/47/300 A61F13/472/200 A61F13/476

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Family:

Publication number	Publication date	Application number	Application date
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KR19970701030 A	19970317	KR19960704781	19941021
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TH12374 B	20020403	TH19941001967	19940915
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Priority:

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WO1997US06996	19970428	AU19980083026	19980831		

Probable Assignee: PROCTER AND GAMBLE CO

Assignee(s): (std): PROCTER AND GAMBLE ; PROCTER AND GAMBLE CO ; PROCTER AND GAMBLE CO THE ; THE PROCTER AND GAMBLE COMPANY ; THE PROCTER AND GAMBLE CO

Assignee(s): THE PROCTER AND GAMBLE COUS ; THE PROCTER AND GAMBLE COMPANY CINCINNATI ; PROCTER AND GAMBLE COMPANY THE ; PROCTER AND GAMBLE CO CINCINNATI ; AMOS CHARLES WILLIAM JR ; EMENAKER RALPH ROBERT ; HINES LETHA MARGIE ; OLSEN ROBB ERIC

Inventor(s): (std): AMOS JR ; JR ; ROBB ERIC OLSEN ; CHARLES W AMOS JR ; RALPH ROBERT EMENAKER ; RALPH R EMENAKER ; RALF R EMENAKER ; CHARLES W AMOS ; ARLES WILLIAM AMOS JR ; LETHA MARGIE HINES ; CHARLES WILLIAM AMOS JR ; EMENAKER ROBERT ; AMOS WILLIAM ; HINES LETHA MARGIE ; OLSEN ROBB ERIC ; EMENAKER RALPH ROBERT ; AMOS CHARLES WILLIAM JR ; EMENAKER RALF R ; AMOS CHARLES W ; EMENAKER RALPH R ; AMOS JR CHARLES WILLIAM ; AMOS CHARLES WILLIAM ; AMOS JR CHARLES W ; AMOS ARLES WILLIAM JR ; AMOS CHARLES WILLIAMJR ; AMOS CHARLES W JR ; OLSEN ERIC ; HINES MARGIE

Inventor(s): Ralph R.Amos ; Jr. ; Emenaker ; Charles W. ; JR AMOS CHARLES WILLIAM ; Hines ; Letha MargieOlsen ; Robb Eric ; JR CHARLES WILLIAM ; AMOS

Agent(s): WATERMARK PATENT AND TRADE MARKS ATTORNEYS; WATERMARK INTELLECTUAL PROPERTY PTY LTD; SIM AND MCBURNEY; HARNECKER; KEVIN C; LARRY L

Designated states: AL AM AT AU AZ BA BB BE BF BG BJ BR BY CA CF CG CH CI CM CN CU CZ DE DK EE ES FI FR GA GB GE GH GN GR HU IE IL IS IT JP KE KG KP KR KZ LC LI LK LR LS LT LU LV MC MD MG MK ML MN MR MW MX NE

20) Family number: 51299582 (WO11028233A2)

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Title: SYSTEMS AND METHODS FOR SUSTAINABLE ECONOMIC DEVELOPMENT THROUGH INTEGRATED FULL SPECTRUM PRODUCTION OR RENEWABLE MATERIAL RESOURCES USING SOLAR THERMAL

Abstract: In one embodiment of the present invention, a system for providing a renewable source of material resources is provided comprising: a first source of renewable energy; first stream of materials from a first materials source; an electrolyzer coupled to the first source of renewable energy and the first stream of materials, wherein the electrolyzer is configured to produce a first material resource by electrolysis; a processor for further processing or use or the material resource to produce a second material resource, wherein the processor comprises a solar collector and where the solar collector is configured to provide heat to the first materials resource for disassociation; and a material resource storage coupled to the electrolyzer for receiving the material resource from the electrolyzer or providing the material resource to the processor for further processing or use.

Classifications:

International (IPC 8-9): B05D1/12 B09B3/00 B32B1/02 B32B3/10 B32B37/00 C01B31/04 C25B1/00 C25B1/02 C25B1/04 C25B13/02 C25B15/00 C25B3/00 C25B9/00 C25B9/06 E21B43/22 E21B43/25 E21B43/34 F01B11/00 F01B23/10 F01N5/02 F02G5/04 F03D9/00 F03G F03G6/00 F03G7/00 F03G7/04 F03G7/05 F03G7/08 F17C11/00 F22B33/18 F24D11/00 F24H8/00 F24J2/00 F24J2/07 F24J2/12 F24J2/42 F24J3/08 F28D7/10 (Advanced/Invention); F03G (Subclass/Invention)

CPC: C02F1/46104 C02F2303/10 F03B13/1885 Y02E10/38 Y02E70/10 C01B3/22 C01B2203/0283 C01B3/34 C01B2203/0216 C01B2203/043 C01B2203/1241 C01B2203/84 C10L3/108 F02G5/04 F24D11/005 F24D2200/26 F24D2200/29 F24D2200/30 C25B9/00 Y02T10/166 C02F2001/46171 C25B9/08 C25B11/02 C25B11/03 Y02E60/366 H01M8/0656 H01M8/186 Y10T137/0391 C25B3/00 Y02W10/30 Y02W10/33 Y02W10/37 C25B15/02 C25B15/08 C25B1/04 C25B1/12 Y02P20/129 Y02E60/528 C01B2203/061 E21C50/00 Y02E10/34 Y02E10/46 C04B35/536 F02B43/08 Y02T10/32 F01N5/02 C25B1/00 C25B1/02 C25B9/06 C25B13/02 C25B15/00 F28D7/103 Y02E10/41 Y02T10/16 Y02B30/52 Y02E20/14 Y02E70/20 Y02P70/56 Y02P80/24 F03G7/05 Y02P20/124 Y02B10/22 Y02E10/44 C01B32/225 Y02P20/133 Y02P20/134 F24S10/40 F24S23/30 F24S20/20 F24S23/71

European: C25B1/00 C25B1/02 C25B13/02 C25B9/06 F24J2/07 R24J2/12 R28D7/10E Y02B10/20 Y02E10/34 Y02E10/41

PatBase - WO11028233_A2

WO 2011/028233

PCT/US2010/023360

1/22

**FIG. 1**

SUBSTITUTE SHEET (RULE 26)

Family:

Publication number	Publication date	Application number	Application date
AU2010289904 AA	20110310	AU20100289904	20100816
CA2770510 AA	20110310	CA20102770510	20100816
EP2470787 A2	20120704	EP20100814156	20100816
EP2470787 A4	20140416	EP20100814156	20100816
IL217860 A0	20120329	IL20100217860	20100816
IL217860 A1	20160331	IL20100217860	20100816
WO11028233 A2	20110310	WO2010US02260	20100816
WO11028233 A3	20110623	WO2010US02260	20100816
WO11028400 A2	20110310	WO2010US45658	20100816
WO11028400 A3	20130502	WO2010US45658	20100816
WO11028401 A2	20110310	WO2010US45664	20100816
WO11028401 A3	20110616	WO2010US45664	20100816
WO11028402 A2	20110310	WO2010US45670	20100816
WO11028402 A3	20110616	WO2010US45670	20100816
WO11034677 A2	20110324	WO2010US45653	20100816
WO11034677 A3	20110512	WO2010US45653	20100816
WO11053341 A2	20110505	WO2010US02259	20100816
WO11053341 A3	20110623	WO2010US02259	20100816
WO11102851 A1	20110825	WO2010US45668	20100816
WO12047187 A2	20120412	WO2010US45629	20100816
WO12047187 A3	20130328	WO2010US45629	20100816
WO12047188 A1	20120412	WO2010US45669	20100816

Priority:

US20090153253P 20090217	US20090237476P 20090827	US20100304403P 20100213
AU20100216050 20100217	AU20100216051 20100217	AU20100216052 20100217
US20100707653 20100217	WO2010US24499 20100217	US20100707656 20100217
WO2010US24497 20100217	US20100707651 20100217	WO2010US24498 20100217
WO2010US02260 20100816	WO2010US45664 20100816	WO2010US45658 20100816
WO2010US45670 20100816	WO2010US45653 20100816	WO2010US45668 20100816
WO2010US45629 20100816	WO2010US45669 20100816	

Probable Assignee: MCALISTER TECHNOLOGIES LLC

Assignee(s): (std): MCALISTER ROY E ; MCALISTER TECHNOLOGIES LLC

Inventor(s): (std): MCALISTER ROY E

Agent(s): DAVIES COLLISON CAVE; DAVIES COLLISON CAVE PTY LTD; OYEN WIGGS GREEN AND MUTALA LLP; BEATTIE ALEX THOMAS STEWART; REINHOLD COHN AND PARTNERS; BETCHER SUSAN D ET AL; ARNETT STEPHEN E ET AL; ANCHELL SCOTT J 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 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

21) Family number: 59509912 (EP2883442A1)

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Title: COMPOSITIONS AND COMPOSITES OF CELLULOSIC AND LIGNOCELLULOSIC MATERIALS AND RESINS, AND METHODS OF MAKING THE SAME COMPOSITIONS ET COMPOSITES DE RESINES ET MATERIAUX CELLULOSIQUES ET LIGNOCELLULOSIQUES ET LEURS PROCEDES DE FABRICATION </TI_FR

Abstract: The invention provides a composite comprising: a texturized fibrous material; and an elastomer, and a process for manufacturing a composite comprising (a) shearing cellulosic or lignocellulosic material to the extent that its internal fibers are substantially exposed to form texturized cellulosic or lignocellulosic material, and (b) combining the cellulosic or lignocellulosic material with an elastomer.

Classifications:

International (IPC 8-9): A01G13/00 A01G9/02 A01N25/00 A01N25/10 A01N25/34 A23G3/00 A23L1/308 B27N1/00 B27N3/04 B29B17/00 B29L7/00 B32B27/10 B32B5/18 B32B9/04 C08J11/06 C08J3/00 C08J3/20 C08J5/04 C08L1/02 C08L101/00 C08L23/06 C08L63/00 C08L97/00 C08L97/02 C09K11/00 D21C9/00 (Advanced/Invention); B29L7/00 (Advanced/Non-invention)

CPC: A01N25/10 A01N25/34 B29B17/0026 B29K2311/12 B29L2007/002 B32B5/18 B32B27/10 C08J5/04 C08J11/06 C08L1/02 C08L23/06 C08L63/00 C08L97/005 C08L97/02 C08L101/00 C08L2205/16 D21C9/001 Y02W30/62 Y02W30/701 A23L33/24 A23L33/21 C08J5/045

PatBase - EP2883442_A1

EP 2 883 442 A1

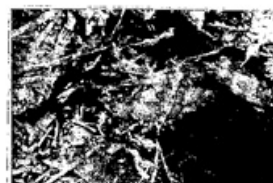


FIG. 1

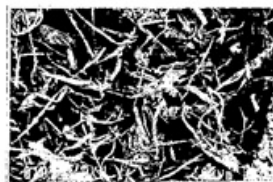


FIG. 2

Family:

Publication number	Publication date	Application number	Application date
EP2883442 A1	20150617	EP20140173543	20030313

Priority:

US20020104414 20020321 US20030336972 20030106 EP20030711572 20030313

Probable Assignee: XYLECO INC

Assignee(s): (std): XYLECO INC

Inventor(s): (std): LAGACE ARTHUR P ; MEDOFF MARSHALL

Agent(s): POTTER CLARKSON LLP

Designated states: AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

22) Family number: 1039296 (GB1388208A)

© PatBase

Title: SUBSTRATES FOR USE IN SOIL FREE CULTIVATION

Abstract: 1388208 Laminates BAYER AG 5 Dec 1972 [9 Dec 1971] 56043/72 Heading B5N [Also in Division C1] A composite substrate body for use in plant cultivation is produced by bonding with an adhesive compatible with the physiology of plants an upper foam resin panel made of hard or semi-hard open-celled hydrophobic polyurethane to one or more lower panels obtained by bonding particles of foam resin. The upper panel which may have a density of 8-50 kg./m.³ may contain a pigment to impart thereto a dark colour, and algicides, bactericides or fungicides. The particles used to produce the lower panels may be in the form of flakes shavings or dust having a particle diameter of 1-30 mm. and may be of hydrophilic opencelled polyurethane foam, preferably size reduced foam plastics waste produced in the production of the upper panel. The lower panels may contain

capillary active, water absorbing, natural or synthetic absorptive substances, buffers, plant nutrients, trace elements, growth regulating substances, fungicides, bactericides and algicides, examples of which are given. The lower bonded panel may comprise two parts, an upper part which contains nitrate, phosphate, potassium and optionally boron, iron and zinc, which is glued, stitched or tacked to a lower part containing sparingly soluble full component fertilizers comprising anions NO_3^- , H_2PO_4^- and SO_4^{2-} and cations K^+ , Ca^{2+} and Mg^{2+} . Growth hormones and plant nutrients may be included in the adhesive used to bond the upper and lower panels together.

Classifications:

International (IPC 8-9): A01G1/00 A01G9/10 B32B27/00

C05D9/00 (Advanced/Invention);

A01G1/00 A01G9/10 B32B27/00 C05D9/00 (Core/Invention)

International (IPC 1-7): A01G1/00 A01G31/00 A01G9/00 A01G9/10 A01K B29D B32B27/06 B32B27/40 B32B5/16 B32B5/18 B32B5/30 B32B5/32 C05D9/00

CPC: B32B2266/0278 B32B2266/06 B32B2607/00 B32B27/00 C05D9/00

B32B7/12 B32B27/14 B32B27/40 B32B2305/022 B32B2307/7145

B32B2307/728 B32B2375/00 B32B5/30 B32B5/18 A01G24/00

European: 45L3K3A A01G9/10G A01G9/10K B32B27/00 C05D9/00

JP F-Term: 2B022 2B022/BA22 2B022/BB03

JP F-Index: A01G1/00/303/D

PatBase - GB1388208_A

1,388,208 COMPLETE SPECIFICATION
I SHEET
The drawing is a reproduction of the original on a reduced scale.



Family:

Publication number	Publication date	Application number	Application date
AT318279 B	19741010	AT19720010416	19721207
BE792481 A	19730608		00000000
BE792481 A1	19730608	BE19720125100	19721208
DE2161048 A1	19730719	DE19712161048	19711209
ES409406 A1	19751201	ES19720409406	19721207
FR2162625 A1	19730720	FR19720043841	19721208
FR2162625 B1	19760423	FR19720043841	19721208
GB1388208 A	19750326	GB19720056043	19721205
IL41019 A0	19730228	IL19720041019	19721206
IT973944 A	19740610	IT19720054543	19721207
JP48067018 A2	19730913	JP19720122604	19721208
NL7216629 A	19730613	NL19720016629	19721207
ZA7208710 A	19730829	ZA19720008710	19721218

Priority:

DE19712161048 19711209

Probable Assignee: BAYER AG

Assignee(s): (std): BAYER AG

Assignee(s): BAYER AG 5090 LEVERKUSEN ; BAYER AKTIENGESSELLSCHAFT ; BAYER 5090 LEVERKUSEN AG ; BAYER A G ; BAYER A G A LEVERKUSEN ALLEMAGNE

Inventor(s): (std): JABS G ; JABS GERT DR ; LOEW G ; LOEW GUENTHER DR ; NIGGEMANN J ; NIGGEMANN JOHANNES ; SCHEINPFLUG H ; SCHEINPFLUG HANS DR

Inventor(s): NIGGEMANN JOHANNES DIPL LANDW DR ; LOEW GUENTHER DR 5000 KOELN ; JABS GERT DR 5072 SCHILDGEN

23) Family number: 48789791 (US2011094678A)

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Title: DELIGNIFICATIN OF BIOMASS CONTAINING LIGNIN AND PRODUCTION OF AMINO LIGNIN ALDEHYDE RESINS AND CARBOHYDRATES

Abstract: Delignification of biomass consisting of lignin containing plant is done by utilizing an amino compound in and aqueous solution at ambient temperature up to 150 degree C. to produce and aqueous solution of amino salt of lignin and an amino-lignin-cellulose which is not soluble in water. The aqueous solution of amino salt of lignin is then filtered off of the amino-lignin-cellulose. The aqueous solution of amino salt of lignin or the amino salt of lignin with the amino-lignin-cellulose may be reacted with an aldehyde to produce an amino-lignin-aldehyde resin or an amino-lignin-cellulose aldehyde resin which may be of the thermoplastic or thermosetting type. The thermoplastic resins are fire resistant, hard, strong, not water soluble and may be used to make exterior fiberboard, OAS boards, plywood, molded products, etc. These urea salts of lignin may also be utilized as long acting fertilizer, to produce plastics and other products. The amino-lignin-cellulose may be hydrolyzed by any suitable means such as acid hydrolysis into carbohydrates which can be fermented in alcohol.

Classifications:

International (IPC 8-9): B32B23/04 B32B37/12 C07G1/00 C08H6/00 C08H7/00 C08L1/00 C08L97/00 C08L97/02 C09D197/02

C09J197/02 C13D1/14 D21C3/20 (Advanced/Invention)

CPC: C08H6/00 C08H8/00 C08G18/6484 C08G18/6492 C08G18/6517 C08G18/7664 C08G2101/0025 C08G14/08 C07G1/00 C08G14/06 C08L97/02 C08K5/17 C09J189/00 C09J197/005 C08L97/005 Y10T428/31975 B32B2307/54 B32B21/14 B32B21/042 B32B21/02 B32B7/12 C09J189/06 C09J189/04 C09J189/005 C08B37/0057 C08K3/013 C08L61/20 C08L89/00

European: C07G1/00

US: 106/123.12 106/126.2 106/137.1 106/137.6 106/162.5 127/44 127/44S 156/328 156/336 162/72 428/533 524/35 524/35P 524/72 524/72S 524/9 527/400 527/400S 530/501 530/501S 530/505 530/505S

Family:

Publication number	Publication date	Application number	Application date
US2011094678 AA	20110428	US20090589399	20091023
US2011098384 AA	20110428	US20100658429	20100212
US2013202905 AA	20130808	US20120385150	20120206
US8268121 BB	20120918	US20090589399	20091023
US8409403 BB	20130402	US20100658429	20100212
US8986437 BB	20150324	US20120385150	20120206

Priority:

US20090589399 20091023 US20100658429 20100212 US20120385150 20120206

Probable Assignee: BLOUNT DAVID H

Assignee(s): (std): BLOUNT DAVID H

Inventor(s): (std): BLOUNT DAVID H

24) Family number: 3401048 (EP0431648B1)

© PatBase

Title: POLLUTION ABATEMENT SYSTEM.

Abstract: A process that deals with the sick building syndrome and building related illnesses, and solves volatile organic compound and biological pollution problems associated with large confined areas through which forced air is circulated, and the area is utilized for sociatary functions or activities, e.g., habitation by animals and/or equipment or other materials sensitive to pollutants or contaminants utilized in a sociatary activity within such areas, which comprises treating the circulating air in an air treatment zone (i) with ozone in a depollution catalytic zone removed from contact with humans and/or the sensitive equipment to remove pollutants and contaminants from the air, and thereafter, (ii) the treated air is treated to remove ozone before being returned to the cycle flow within the confined area located outside of the air treatment zone.

Classifications:

International (IPC 8-9): A61L9/015 B01D53/34

B01D53/86 (Advanced/Invention);

B01D53/34 (Advanced/Non-invention);

A61L9/015 B01D53/34 B01D53/86 (Core/Invention)

International (IPC 1-7): A61L9/015 A61L9/04 A61L9/12 A61L9/15 B01D53/00 B01D53/34 B01D53/36 B01D53/38 B01D53/83 E04F E04H F24F3/16

CPC: H01L2924/10253 B01D53/8662 A61L9/015 B01D53/8668

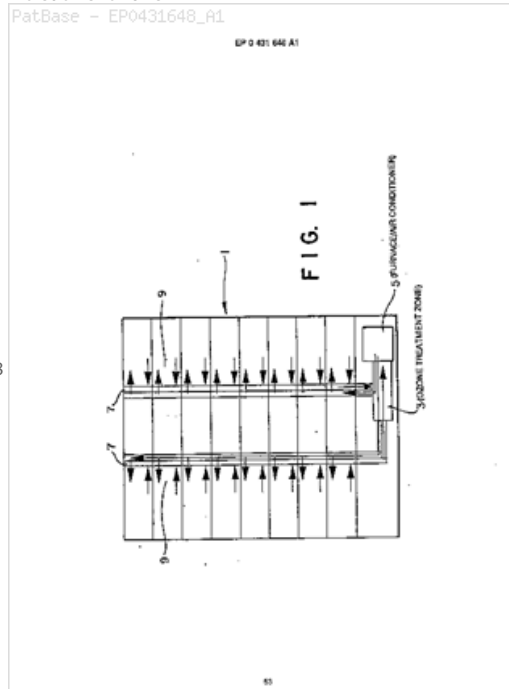
B01D53/8675 Y02A50/2347

European: A61L9/015 B01D53/86L2 B01D53/86P B01D53/86Q2

JP F-Term: 4D002 4D048 4D048/AA11 4D048/AA12 4D048/AA17 4D048/AA19 4D048/AA20 4D048/AA21 4D048/AA23 4D048/AB01 4D048/AB03 4D048/AC07 4D048/BA03 4D048/BA06 4D048/BA11 4D048/BA16 4D048/BA18 4D048/BA25 4D048/BA26 4D048/BA27 4D048/BA28 4D048/BA30 4D048/BA31 4D048/BA34 4D048/BA35 4D048/BA36 4D048/BA37 4D048/BA38 4D048/BA41 4D048/BA42 4D048/CC27 4D048/CC32 4D048/CC40 4D048/CC44 4D048/EA04 4D148 4D148/AA11 4D148/AA12 4D148/AA17 4D148/AA19 4D148/AA20 4D148/AA21 4D148/AA23 4D148/AB01 4D148/AB03 4D148/AC07 4D148/BA03 4D148/BA06 4D148/BA11 4D148/BA16 4D148/BA18 4D148/BA25 4D148/BA26 4D148/BA27 4D148/BA28 4D148/BA30 4D148/BA31 4D148/BA34 4D148/BA35 4D148/BA36 4D148/BA37 4D148/BA38 4D148/BA41 4D148/BA42 4D148/CC27 4D148/CC32 4D148/CC40 4D148/CC44 4D148/EA04

JP F-Index: B01D53/34/ZAB/Z B01D53/36/ZAB/F B01D53/36/ZAB/H B01D53/36/ZAB/Z B01D53/86 B01D53/86/100 B01D53/86/110 B01D53/86/150 B01D53/86/260 B01D53/86/270 B01D53/86/280 B01D53/88 B01D53/90

JP Facet: ZAB



Family:

Publication number	Publication date	Application number	Application date
AT120094 E	19950415	AT19900123600T	19901207
AU199067853 A1	19910620	AU19900067853	19901207
AU626482 B2	19920730	AU19900067853	19901207
BRPI9006265 A	19910924	BR1990PI06265	19901210
CA2031822 AA	19910609	CA19902031822	19901207
DE69018035 D1	19950427	DE19906018035	19901207
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EP0431648 B1	19950322	EP19900123600	19901207
FI906052 A	19910609	FI19900006052	19901207
FI906052 A0	19901207	FI19900006052	19901207
IL96555 A0	19910916	IL19900096555	19901205

JP6205928 A2	19940726	JP19900419333	19901207
KR19910011286 A	19910807	KR19900020069	19901207
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NO905307 A	19910610	NO19900005307	19901207
NO905307 A0	19901207	NO19900005307	19901207
NO905307 L	19910610	NO19900005307	19901207
NZ236392 A	19920826	NZ19900236392	19901207
TH11600 A	19920801	TH19901001812	19901207
ZA9009849 A	19911030	ZA19900009849	19901207

Priority:

US19890447996 19891208

Probable Assignee: UOP

Assignee(s): (std): UNION CARBIDE CHEM PLASTIC ; UNION CARBIDE CHEMICAL PLASTIC ; UOP INC

Assignee(s): UOP ; UOP DES PLAINES ILL US ; UOP DES PLAINES ILL ; UNION CARBIDE CHEMICAL PLASTICS CO INC ; UNION CARBIDE CHEMICALS AND PLASTICS CO INC ; UNION CARBIDE CHEMICAL PLASTICS CO ; UNION CARBIDE CHEM AND PLAST CO INC

Inventor(s): (std): GEORGE ERNEST KELLER II ; JAY FINGERET MILLER ; JOAN AYER RODBERG ; KELLER GEORGE ERNEST II ; KELLER II GEORGE E ; KELLER II GEORGE ERNEST ; KELLER N GEORGE ERNEST ; MILLER JAY F ; MILLER JAY FINGERET ; RODBERG JOAN A ; RODBERG JOAN AYER ; KELLER GEORGE ERNEST ; JIYOOJI AANESUTO KERRA ZA SEKA ; JIYOAN EIYAA ROTSUDOAAGU ; JIEI FUINGERETSUTO MIRAA

Inventor(s): JIYOOJI AANESUTO KERRA ZA SEKANDO ; RODBERG JOAN AYER S E CHARLESTON WEST VIRGINIA 25 ; RODBERG JOAN AYER SE CHARLESTON WEST VIRGINIA 25304 US ; RODBERG JOAN AYER S E CHARLESTON WEST VIRGINIA 25304 US ; MILLER JAY FINGERET SOUTH CHARLESTON WEST VIRGINIA 25303 US ; KELLER II GEORGE ERNEST SOUTH CHARLESTON WEST VIRGINIA 25303 US ; MILLER JAY FINGERET SOUTH CHARLESTON WEST VIRGINIA ; KELLER NGE GEORGE ERNEST ; KELLER II GEORGE ERNEST SOUTH CHARLESTON WEST VIRG

Agent(s): CALLINANS; FISHER ADAMS KELLY CALLINANS; SPRUSON AND FERGUSON

Designated states: AT BE CH DE DK ES FR GB GR IT LI LU NL SE

25) Family number: 44335626 (FR2934460A)

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Title: PLANT CULTIVATING STRUCTURE FOR COVERING AND DECORATING E.G. FRONTAGE OF BUILDING, HAS SUPPORT PANEL WITH FRONT SURFACE COVERED BY SUBSTRATE, WHERE SUBSTRATE IS FORMED BY SUPERIMPOSITION OF INTERNAL AND EXTERNAL LAYERS COVERED WITH GRIDS

Abstract: The structure (1) has a flat plastic support panel (2) comprising a front surface (4) extended vertically and opposite to a vertical surface (S) to be covered. The surface is covered by a cultivation substrate, where the substrate is formed by superimposition of an internal hydrophilic, geotextile, rot-proof and horticultural felt layer (6) and an external moss layer (8). The internal and external layers are covered with maintaining grids (7, 9).

Classifications:

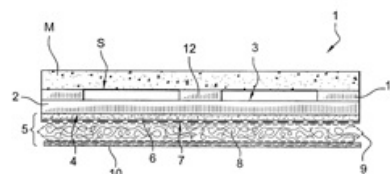
International (IPC 8-9): A01G9/02 E04F13/08 (Advanced/Invention);

A01G9/02 E04F13/08 (Core/Invention)

CPC: A01G9/025 Y02P60/244

European: A01G9/02C

PatBase - FR2934460_A1



Family:

Publication number	Publication date	Application number	Application date
FR2934460 A1	20100205	FR20080055254	20080730

Priority:

FR20080055254 20080730

Probable Assignee: URBAN GARDEN

Assignee(s): (std): URBAN GARDEN

Inventor(s): (std): NICOLON FELIX

Inventor(s): FELIX NICOLON

Agent(s): CABINET HARLE ET PHELIP

26) Family number: 3289654 (DE3227899A1)

© PatBase

Title: METHOD OF BUILDING AND/OR OPERATION TO IMPROVE THE USE OF ENERGY

Abstract: Published without abstract.

Classifications:

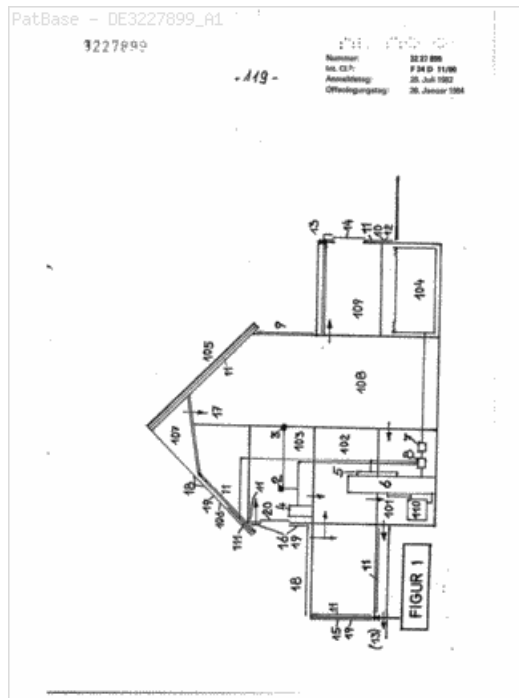
International (IPC 8-9): E04B1/76 F24D11/00 F24D19/10 F24J2/04

F24J2/34 (Advanced/Invention);

E04B1/76 F24D11/00 F24D19/00 F24J2/04 (Core/Invention)

International (IPC 1-7): E04B1/74 E04F13/08 E06B9/04 F24D11/00

F24D19/10 F24J3/02
CPC: E04B1/76 Y02B10/20 Y02E10/44 F24D19/1009 F24D2220/006
F24D11/00 F24S20/63 F24S20/66 F24S60/00
European: E04B1/76 F24D11/00 F24D19/10 F24J2/04B10 F24J2/04B6
F24J2/34 Y02B10/20 Y02B10/40 Y02E10/44



Family:

Publication number	Publication date	Application number	Application date
DE3227899 A1	19840126	DE19823227899	19820726

Priority:

DE19823227899 19820726

Probable Assignee: TRAEBING ERNST DIPL ING
Assignee(s): (std): TRAEBING ERNST DIPL ING
Inventor(s): (std): TRAEBING ERNST DIPL ING

27) Family number: 47987723 (DE102009031291A1)

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Title: SUBSTRATE ARRANGEMENT FOR E.G. PLANTING LAWN IN FOOTBALL FIELD, HAS SUBSTRATE LAYER FOR SUPPORTING PLANTS, AND WATER STORING BOARD CONNECTED WITH DRAINAGE LAYER AND WATER BARRIER LAYER USING COMPOSITE MATERIAL SECTION

Abstract: The arrangement has a substrate layer for supporting plants. A water storing board combines granular material e.g. sand, gravel and/or granules of an organic or inorganic substance, with a polyurethane binding material. The water storing board is connected with a drainage layer and a water barrier layer using a composite material section that is formed with 8-15 cm thickness, 100 cm length and 50 cm breadth. The polyurethane binding material is formed from an isocyanate/polyol resin with polyol, polyisocyanate and catalyst components. An independent claim is also included for a method for producing a substrate arrangement.

Classifications:

International (IPC 8-9): A01G31/00 A01G7/00 A01G9/10 E04D11/00 (Advanced/Invention)

CPC: A01G20/20

European: A01G1/00C

Family:

Publication number	Publication date	Application number	Application date
DE102009031291 A1	20110105	DE200910031291	20090630

Priority:

DE200910031291 20090630

Probable Assignee: KOHLSTADT HANS PETER
Assignee(s): (std): KOHLSTADT HANS PETER
Inventor(s): (std): KOHLSTADT HANS PETER

28) Family number: 43227449 (CA2608174A)

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Title: AGRICULTURAL PRODUCTS

Abstract: We plan to grow algae, bamboo, sugar cane and corn to make ethanol. The sugar cane will be shredded and its liquids squeezed out for ethanol. The remaining fibers will be shredded and cut to an optimal length for agricultural use. Sugar is a form of fertilizer. These fibers will be cooked in manure tea (stirred even blended to instil fertilizing potency - wider blend of nutrients) and rolled and squeezed and cooked in manure tea (stirred even blended to instil fertilizing potency - wider blend of nutrients)

rolled and squeezed (depending on whether the results of such a process - high quality organic fertilizer are worthwhile). The fertilizer can even be pelletized. The tea manure as well as the powdered sugar cane can be used to grow algae. The algae could be bagged with transparent bags and solar panels underneath the bags could further make the most use of the site by both producing energy; Solar panel energy and algae converted into ethanol. A self brewed medium for algae includes Glucose, Na2HPO4, KH2PO4, NH4Cl, NaCl, MgSO4, CaCl2... The sugar cane fibers as well as the corn shredded husks can also be used to make soil substrate (GP 0.05 percent) as well as biodegradable seeding and trans planting and all planting pots, biodegradable packaging, bags, imitation cardboard, pulp and paper, envelopes, books, treated with preservatives and mixed with adhesive and compressed to produce a form of gypsum; fiber board, faux wood cabinetry, door, frames, posts, exterior finishing, all construction usage, including wood floors, wood ceilings, roofing, shutters, closet doors, faux wood furniture 2 percent, all housing, all office, all real estate, all condominiums, all sky scrapers, all apartments, all wood finishings, all shelves, (all decorations 5 percent), all wood decks, all gazebos, all wood structures, all sheds, all extra wood structures (eg. pool house or tree house), The powdered sugar cane fiber and powdered corn husks can be mixed with resin; As well as the 3-dimensional modeling printer, we could also build plastic/resin (perhaps mixed with particle/gypsum board) or glues/adhesives structures. We are the first to make and sell the following novel products because they are to be developed using mix with nano particles or nano fibres or biodegradable substances such as shredded and powdered corn husks) possibly sprayed or spun/woven and) create strong/durable and yet flexible (if need be) and light weight products (where the addition of nano material or the 3 - dimensional model creator can be used to make a better product - or at least a niche). New products include all sports/objects/accessories, all construction materials and all aeroplane (flying) parts, all boating parts, all electronic parts and accessories, all furnishings, all infrastructure (eg. roads and bridges) materials, carpets, all toys, all fabrics, all frames and cages, all floating devices, all containers, all packaging materials, spray on collagen or other biodegradable structural products for tissue culture, all windows, all metal frames, all mechanical parts, all kitchen ware and utensils, all appliances, all heaters / all air conditioners, skeletal structures, all stationary, all ink - photo and laser and ink jet qualities, all business to consumer, all business to business, all infrastructure products, all hard ware--soft ware--communications products, all coverings, faux constructions and decorative objects, all handles, locks, all glass and glass substitutes, all vehicles parts, all consumer products, all industrial parts and machines and safety gears, all cups-spoons-forks- knives-mugs--glasses, all racks, all hangers, all storage bins, lightings - street lamps to candles to bulbs, furnaces, lawn mower parts, vacuum cleaners, shells for engines, engine parts, indoor/outdoor furnishings and their parts, bricks and mortar - barbecues and buildings, all wheels, all tires, all inner tubes, chains, cosmetics, toiletries, all wires, all cables, all televisions - all electronic audio/video entertainment products, all construction tools, all elastics, all tethers, all erasers, all stationary, eg. all pencils, all pens, all pencil cases, all liquid paper...all board game parts, all lenses, all eye glass frames, all fitting tools for assembly of parts for all the products herein listed, all contact lenses, all wiping clothes for wind shields and eye glasses, all wiping cloths for CD's and DVD's, carrying cases for all products, from soft (eg. leather or other skins) to faux fur, all buttons metal and plastic, all lasers and cameras and all their components, all garbage bins, all radios, all DVD players, all CD players, all servers... all railways, all monorails (intercity), all highspeed trains, all cargo trains, all cargo ships, all pleasure boats, all fishing boats, all cruise ships, all yachts, a small boats/dingy, all life boats, all life jackets, all diver's suits, all plastic and all paper bags, all plastic house

Classifications:
International (IPC 8-9): A46D1/00 C05F5/00 C07H1/08 C08J11/00 C08J3/20 C09K17/00 C12N1/12 C12P7/06 C13B10/00 C13B5/02 D07B5/00 D21J1/00 F16L9/14 (Advanced/Invention);
A01G9/02 (Advanced/Non-invention)
CPC: Y02E50/343 C05F11/00 C05F3/00 C12P7/06 C13B5/04 Y02E50/17 Y02T50/678 Y02W30/47 Y02P20/134 Y02P20/145 Y02A40/205
European: C05F11/00 C05F3/00 C12P7/06 C13B5/04 Y02E50/17 Y02T50/67J

Family:

Publication number	Publication date	Application number	Application date
CA2608174 AA	20090430	CA20072608174	20071030

Priority:
CA20072608174 20071030

Probable Assignee: VOON GERARD G V
Assignee(s): (std): VOON GERARD G V
Inventor(s): (std): VOON GERARD

29) Family number: 20224665 (GB837700A) © PatBase

Title: Improvements in or relating to a process for producing shaped bodies by plasticizing comminuted materials containing lignocellulose

Abstract: 837,700. Presses for moulding ligno-cellulosic materials; fibrous compositions. WEISS, M. June 18, 1956, No. 18815/56. Classes 22 and 87(2). Shaped bodies, e.g. wall units, are produced by mixing cellulose waste liquor and comminuted materials containing ligno-cellulose e.g. sawdust, plasticising the mixture by pressing in a mould in a heated state, and forming the final product in a single operation. A mixture 10 of two parts by weight of air dried sawdust and one part by weight of cellulose waste liquor containing 20 percent solids is fed between flexible steel belts 1 and 2 running on guide rollers 3, 4, 5 and 6, 7 respectively. The belts are in a heating chamber and rollers 8, 9 apply pressure to the converging path between the belts so that a finished board emerges. Side strips seal the moulding space between the belts. 'Wire reinforcement may be included in the board and a layer of a veneer for covering the board may be placed on the belt 2.

Classifications:
International (IPC 8-9): B27N3/24 B30B5/06 D21J1/00 (Advanced/Invention);
B30B5/00 (Core/Invention)
International (IPC 1-7): C08L97/02
CPC: B27N3/24 B30B5/067 D21J1/00
European: B27N3/24 B30B5/06C2 D21J1/00

837.700 COMPLETE SPECIFICATION
 1 SHEET
 This drawing is a reproduction of
 the Original in a reduced scale.

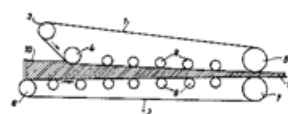


FIG. 1



FIG. 2

Family:

Publication number	Publication date	Application number	Application date
GB837700 A	19600615	GB19560018815	19560618

Priority:

GB19560018815 19560618

Probable Assignee:

WEISS MATTHIAS

Assignee(s): (std):

WEISS MATTHIAS

Assignee(s):

MATTHIAS WEISS

30) Family number: 17770757 (EP1283304A2)

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Title: Noise barrier wall from fence elements

Abstract: The noise insulation wall (100) has a wire mesh wall panel (1.1-1.n) at least partially filled with a noise absorbing and plant growth supporting infill (6). The wall panel has two parallel and spaced (A) secondary wire mesh panels with the ends mounted in posts (2.1-2.2..). The ends of the wire mesh panels can be formed from sheet steel profiles (9) removably attached to the posts.

Classifications:**International (IPC 8-9):** E01F8/00 E01F8/02 (Advanced/Invention);

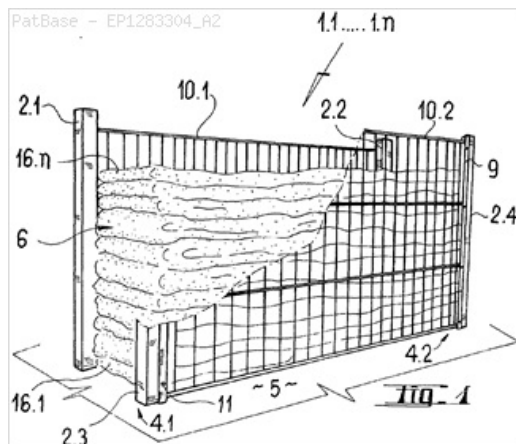
E01F8/00 E01F8/02 (Core/Invention)

International (IPC 1-7): E01F8/00 E01F8/02 E04H17/16 E04H17/20

G10K11/162

CPC: E01F8/0058 E01F8/027**European:** E01F8/00A35A1 E01F8/02B

PatBase - EP1283304_A2

**Family:**

Publication number	Publication date	Application number	Application date
AT389752 E	20080415	AT20020017104T	20020730
DE20113388 U1	20011122	DE20012013388U	20010811
DE50211906 D1	20080430	DE20025011906	20020730
EP1283304 A2	20030212	EP20020017104	20020730
EP1283304 A3	20040102	EP20020017104	20020730
EP1283304 B1	20080319	EP20020017104	20020730

Priority:

DE20012013388U 20010811

Probable Assignee: DE VOS MARTIN

Assignee(s): (std): DE VOS MARTIN

Assignee(s): VOS MARTIN DE

Inventor(s): (std): DE VOS MARTIN

Agent(s): HOFFMEISTER HELMUT

Designated states: AT BE BG CH CY CZ DE DK EE ES FI FR GB GR IE IT LI LU MC NL PT SE SK TR