

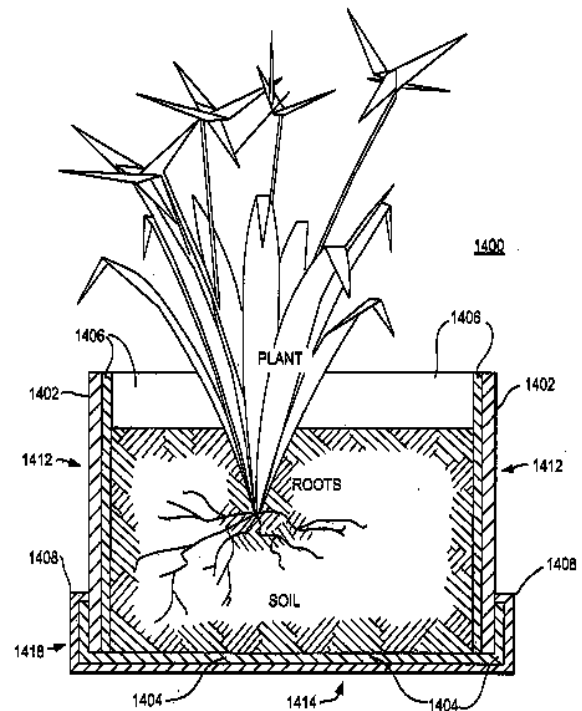
FABRIC PLANT CONTAINER

WO2010104590

Date of publication: 2010-09-16

Applicant(s): WOOLLY POCKET

A plant container is fabricated from a breathable, flexible, geo-textile material such as recycled polyester needle-punched felt, which is self-supporting without an internal support structure and serves as the main vessel in which the plant will live thru maturity. The lightweight, soft, shatterproof-resistant nature of the design allows for oversized planters to be easily shipped and placed by one person to filling with soil and planting. The inclusion of a flexible, durable impermeable, water-retaining, recycled rubber, vinyl, or plastic bottom and/or backing liner in the construction of the plant containers/hangers allow the planters to be placed on indoor and outdoor surfaces such as wood, stucco, sheetrock, carpet, and various other surfaces which might otherwise be damaged by moisture.



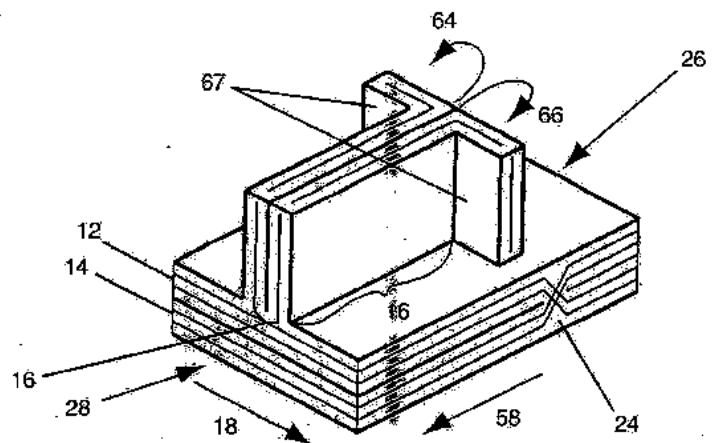
THREE-DIMENSIONAL WOVEN INTEGRALLY STIFFENED PANEL

EP1828455

Date of publication: 2010-03-10

Applicant(s): ALBANY ENGINEERED COMPOSITES

An integrally woven three-dimensional preform with stiffeners in two directions constructed from a woven base fabric having first, second and third woven fabrics. A plurality of yarns is interwoven over a region between the first and second fabrics such that the first fabric is foldable relative to the second fabric. An additional plurality of yarns is interwoven over a region between the second and third fabrics such that the third fabric is foldable relative to the second fabric. Upon folding of the woven base fabric, the integrally woven three-dimensional preform with stiffeners in two directions is formed.



Is formed (8) it consists of in one body, being preform of 3 dimensions which accompanied the stiffener two directions, weaving are formed as one unit, the 1st woven forming cloth, the 2nd woven forming cloth and the 3rd woven forming cloth (10, 12 and 14) it possesses. The 1st cloth facing to the 2nd cloth, in order to be folding possible, the 1st woven forming cloth and the 2nd woven forming cloth (10 and 12) with it can interweave the plural yarn with respect to the territory between. The 3rd cloth facing to the 2nd cloth, in order to be folding possible, the 2nd woven forming cloth and the 3rd woven forming cloth (12 and 14) with it can interweave the additional plural yarn with respect to the territory between. Preform of 3 dimensions which weaving by the fact that the cloth which is formed is folded, accompanied the stiffener two directions and weaving are formed as one unit is formed.

LIQUIDPROOF SEAM FOR PROTECTIVE FOOTWEAR

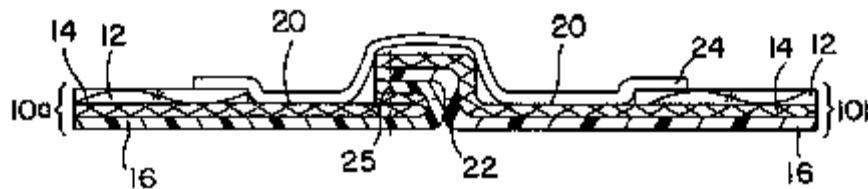
EP1673220

Date of publication: 2010-04-14

Applicant(s): GORE ENTERPRISES HOLDINGS

Liquid proof seams are formed between laminates, most preferably those having a complex textile structure on the sealing side of the laminate, where at least a portion of the complex textile in the sealing region is removed, such as by skiving, to reduce the thickness in the seam, or sealing region, prior to the creation of a durably sealed liquid proof seam.

The anti liquid characteristic seam lamination for the protective footwear. Though before producing the anti liquid characteristic seam where it is desirable, possesses durability and is sealed, in order to decrease the thickness of the seam territory or the seal territory, the compound cloth of the seal territory part is removed at least by the expedient of [sukaibingu] and the like, during the lamination which possesses compound cloth structure on the seal surface the anti liquid characteristic seam is formed.



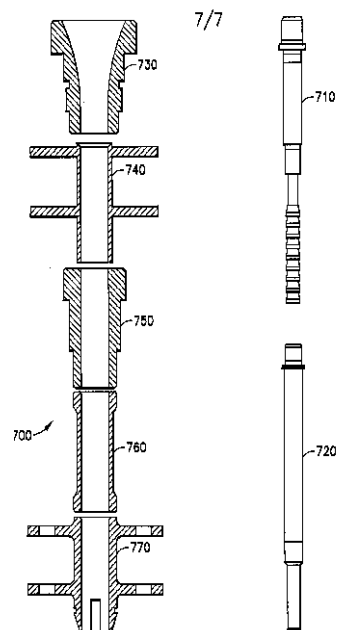
TAMPON INCLUDING CROSSLINKED CELLULOSE FIBERS AND IMPROVED SYNTHESIS PROCESSES FOR PRODUCING SAME

EP2240145

Date of publication: 2010-10-20

Applicant(s): SARA LEE

A tampon pledget includes crosslinked cellulose fibers having microstructures treated to provide improved absorbency and higher wet strength. The fibers are treated with a crosslinking agent to provide at least one of a molecular weight between crosslinks of from about 10 to 200 and a degree of crystallinity of from about 25% to 75%. The crosslinking agent includes citric acid in 1% by weight. The crosslinking agent may further include sodium hypophosphite in 1% by weight. In another embodiment, the crosslinking agent may be a difunctional agent including a glyoxal or a glyoxal-derived resin. In still another embodiment, the crosslinking agent is a multifunctional agent including a cyclic urea, glyoxal, polyol condensate. The crosslinking agent is added in an amount from about 0.001% to 20% by weight based on a total weight of cellulose fibers to be treated and, preferably, in an amount of about 5% by weight.



NON-COATED WOVEN FABRIC FOR AIR BAGS

JP2010111958

Date of publication: 2010-05-20

Applicant(s): TORAY

PROBLEM TO BE SOLVED: To provide a non-coated woven fabric for air bags, which can keep an excellent low gas permeability required for woven fabrics for the air bags, and the low gas permeability also after an environmental aging test.

SOLUTION: There is provided the non-coated woven fabric for air bags, includes synthetic filament yarns having a total fineness of 200 to 700 dtex and a single filament fineness of 1 to 2 dtex, wherein the initial gas permeability of the woven fabric is not more than 0.50 L/cm(sup 2)/min, when measured at a test differential pressure of 19.6 kPa, and the gas permeability after the woven fabric is subjected to a thermal aging treatment for 400 hrs in an environment of 120 deg.C is not more than 150% based on the initial gas permeability.

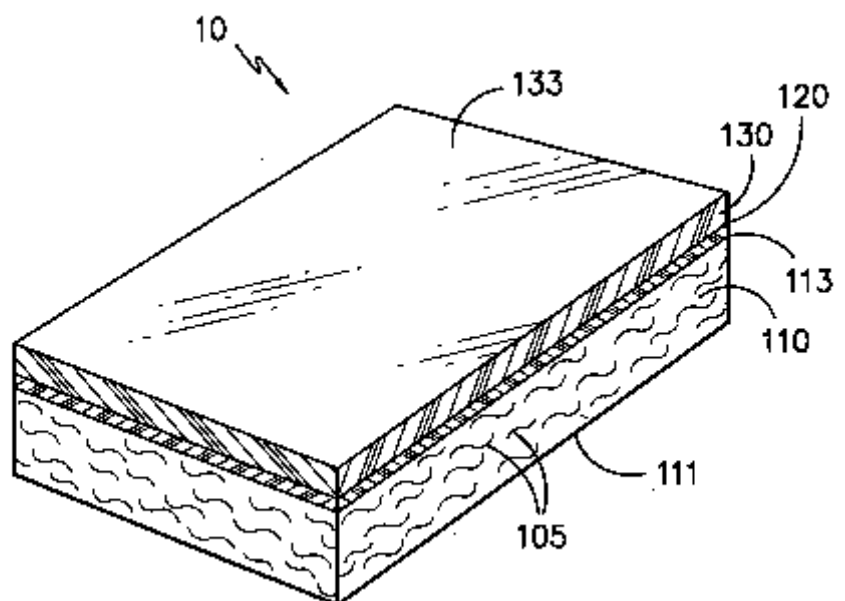
NON-WOVEN COVER FOR CONTAINING AND ABATING ODIFEROUS ORGANIC EMANATIONS

US20100099180

Date of publication: 2010-04-22

Applicant(s): MILLIKEN

An odiferous organic compounds cover having an inner surface and an outer surface. The cover contains a thermoplastic non-woven layer having a first side and a second side and comprising thermoplastic fibers. The first side of the non-woven layer forms the inner side of the cover, has a contact angle with water greater than about 70deg., and is non-wicking. The cover contains a UV barrier layer on the second side of the non-woven layer, where the UV barrier layer contains a UV blocking polymer which blocks at least 50% of UV(C) energy. The UV



barrier layer has a thickness of between one to three times the diameter of the thermoplastic fibers of the non-woven layer and the UV barrier layer comprises discontinuities forming microchannels through the layer thickness. The cover also contains an odor mitigation layer on the UV barrier layer on the side of the barrier layer opposite the non-woven layer. The odor mitigation layer comprises a UV translucent polymer which transmits at least about 60% of UV(C) energy and anatase titanium dioxide. The odor mitigation layer comprises discontinuities forming microchannels through the layer thickness forms the outer surface of the cover. A system for composting organic waste using an odiferous organic compounds containment system is also disclosed.

HIGH EFFICIENCY LOW PRESSURE DROP SYNTHETIC FIBER BASED AIR FILTER MADE COMPLETELY FROM POST CONSUMER WASTE MATERIALS

US20110030557

Date of publication: 2011-02-10

Applicant(s): XETEX

A non-woven textile based filter media is produced from polyester fiber generated using recycled polyethylene terephthalate (PET) beverage bottles, and that non-woven textile based filter media is used to make an air filter. By controlling the diameters and lengths of the PET derived polyester fibers, a non-woven textile based filter media that exhibits a natural Minimum Efficiency Reporting Value (MERV) of about 8 (without requiring electrostatic treatment) and a pressure drop of 2.9 PSI or less can be achieved. A related exemplary embodiment is an air filter fabricated entirely from recycled materials, including a recycled cardboard frame, the non-woven textile based filter media made from recycled PET derived polyester fibers, and a support structure made of recycled plastic or metal wire.

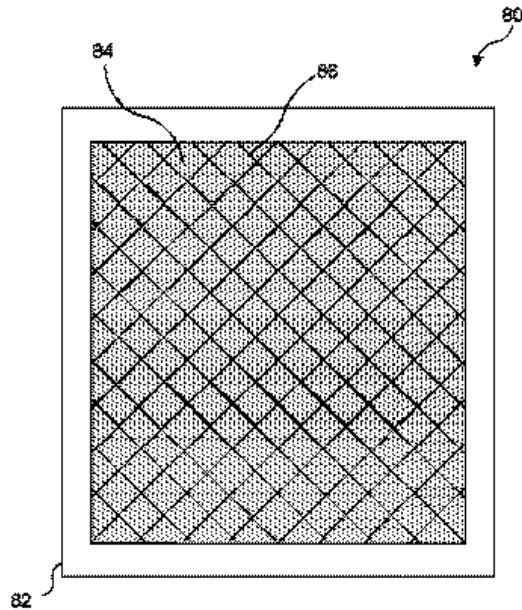


FIG. 1

AN AIR-LAID NON-WOVEN FIBRE PRODUCT COMPRISING FIBRES OF RECYCLED MATERIAL

EP2152947

Date of publication: 2010-11-04

Applicant(s): FORMFIBER DENMARK

The present invention concerns an air-laid non-woven fibre product manufactured by a dry forming process, said product comprising a first portion of up to 98% recycled shredded material, where the shredded material is a mixture of shredded fabric material fibres from automotive tires or the like and residues of rubber and other components from the shredded tires, and a second portion of 1 - 30 %, preferably 1 - 5 %, bi-component fibres having a length between 2 - 50 mm, preferably 2-6 mm in length

