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## Publications

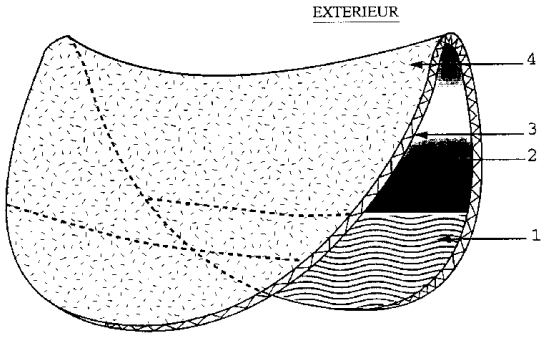
### 1. FR2764483(A1) - Disposable underarm garment shield

**Publication Date:** 18-Dec-1998
**Inventors:** BOUTBOUL NINETTE
**Applicants:** BOUTBOUL NINETTE [FR]

**Abstract:**

A garment shield, especially for protecting underarm areas, from perspiration consists of a round or oval absorbent pad (4) made from layers of fibres compressed to a thickness of 2 mm, attached to a thin layer of plastic backing film (3) with an adhesive coating (2) which is covered prior to use with a layer of glossy paper. The basic pad is 12 cm in diameter, but can be larger or smaller, and it can be, for example, black, white or flesh-coloured, and plain or perfumed. It is designed to be thrown away after one use.

**External Links & Translations:** Google, Espacenet

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### 2. NL1028700(C1) - Armpit inlay for absorbing sweat, comprises absorbent layer and adhesive layer for securing to clothing

**Publication Date:** 10-May-2005
**Inventors:** JOOSTEN ANETTE [NL]
**Applicants:** JOOSTEN ANETTE [NL]

**Abstract:**

The inlay comprises an absorbent layer (1) with an adhesive layer (2) on one side for securing it to the clothing. An armpit inlay for absorbing perspiration in order to prevent wet patches on clothing in the armpit region comprises a layer of absorbent material having an adhesive layer on the underside which is covered by a removable film (3). The adhesive is used to secure the inlay to the clothing.

**External Links & Translations:** Google, Espacenet

**3. DE3141126(A1) - Insert for garments**

**Publication Date:** 28-Apr-1983
**Inventors:** SCHMETTKORDT LUDWIG [DE]
**Applicants:** SCHMETTKORDT LUDWIG

**Abstract:**

An insert for garments is proposed which absorbs perspiration, in particular in armpits, and prevents visible perspiration stains occurring on garments. Additionally, body odour is to be prevented. The insert consists of several layers, in particular an absorbent layer (12) made of absorbent wadding, a non-irritant absorbent material (12), a soft flexible film (13) which is impermeable to moisture, and an adhesive layer (14). After removal of a backing film, the insert (10) is stuck with the adhesive side from the inside, for example into a shirt or another garment in the area of the armpit.

**External Links & Translations:** Google patents, Espacenet

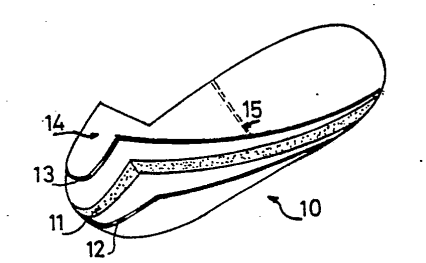

Fig 1

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**4. JPH02169702(A) - SWEAT ABSORBING PAD**

**Publication Date:** 29-Jun-1990
**Inventors:** TAKAO YOSHIFUMI
**Applicants:** JEKUSU KK

**Abstract:**

PURPOSE:To increase water absorbing area and obtain the title pad capable of utilizing by cutting to half circle by each thermally bonding a water permeable sheet to the upper surface of a water-absorbing member obtained by lightly thermally joining a mixed staple fiber consisting of 'Melti(R)' fiber and cellulose based tiber under pressure and a waterproofing sheet to the lower surface of the above-mentioned water-absorbing member in the circumferential edge. CONSTITUTION:'Melti(R)' fiber is blended with a cellulose based fiber at a weight ratio of about 3:7 and the blend is carded into thin layers and 5-7 layers thereof are formed into mats and circumferential parts of mats is lightly and thermally joined under pressure and the circumference is punched to form into a pad shaped water absorbing member.; A water-permeable sheet 3 is superposed on the upper surface of the water absorbing member 1 and a waterproofing sheet 4 is superposed on the lower surface of the water absorbing member 1 and the circumferences 1' are thermally pressed to adhere each other and 2-3 tacky layers 5 are provided on the surface of the waterproofing sheet 4 and covered with a release paper 6.

**External Links & Translations:** Google, Espacenet

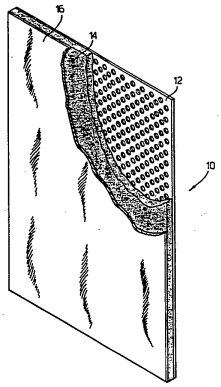
**5. CH657970(A5) - Disposable adhesive protective element made from multilayered material, for example dress shields**

**Publication Date:** 15-Oct-1986
**Inventors:** L INVENTORE HA RINUNCIATO AD E
**Applicants:** ESMERALD S A

**Abstract:**

The disposable protective element, for use in articles of clothing, for example dress shields, is formed from a layered material comprising a filtering layer (12), an absorbent layer (14) and an impervious layer (16), the layers being firmly attached together. The material preferably also comprises adhesive zones or bands attached to the impervious layer, said zones or bands generally being protected with removable strips.

**External Links & Translations:** Google, Espacenet



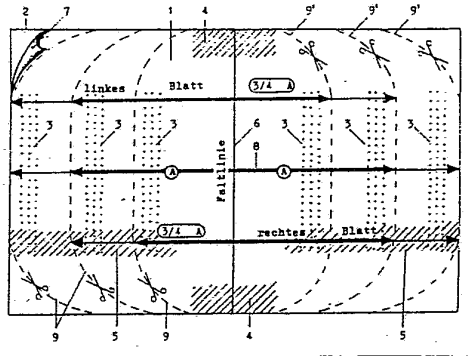
**6. DE3247859(C1) - Disposable underarm pads for dresses - have self-adhesive layer and different cutting lines to meet different size requirements**

**Publication Date:** 29-Mar-1984
**Inventors:** DRAGOTIN MARIA DIPL-ING
**Applicants:** DRAGOTIN MARIA DIPL-ING

**Abstract:**

The self-adhesive disposable underarm liners can be cut out from a suitable wide band consisting of layers having different functions. These layers are held together by several strip-like indented lines which run across the band but do not extend over the entire width. These lines are each associated with the relevant cutting lines (for long or short sleeves) so that they lie directly adjoining each cutting line within the liners. Adhesive spots are provided on the two sides of the band covering the fold line and further adhesive spots are provided at a distance from the fold line parallel to the centre line at the back half of the liner. The protective layer covering the adhesive spots matches the size of the band and shows the cutting lines. The liner can now be cut out to the required size from one and the same piece.

**External Links & Translations:** Google patents, Espacenet



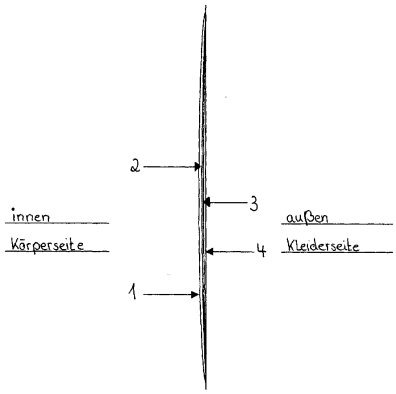
**7. DE10149198(A1) - Disposable armpit lining absorbs perspiration and protects clothing**

**Publication Date:** 24-Apr-2003
**Applicants:** SCHAEDEL DANIELA [DE]

**Abstract:**

The lining comprises a number of layers: skin-compatible, semi-permeable cellulose or nonwoven (1), absorbent cotton wool or cellulose (2), non-permeable, film-like thin layer (3), and a parchment-like covering film (4) for the adhesive layer. This film is removed before insertion of the lining. The product can be made in different colours and sizes.

**External Links & Translations:** Google patents, Espacenet

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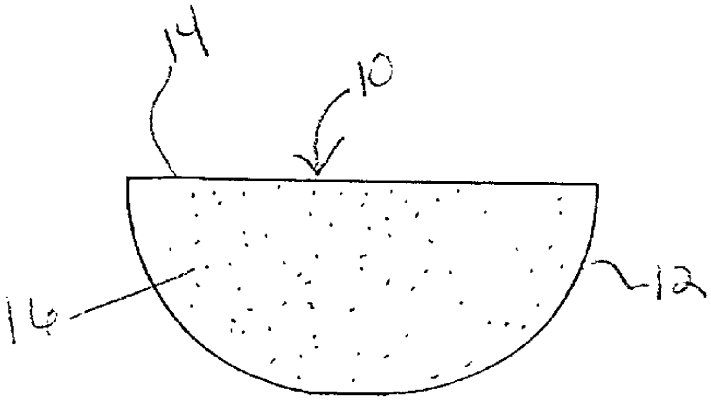
**8. US2003167550(A1) - Disposable underarm perspiration shield**

**Publication Date:** 11-Sep-2003
**Inventors:** ANDREWS DIANE [US]

**Abstract:**

A disposable underarm perspiration shield has a flat flexible body having a first soft porous layer, which contacts the armpit of a user, A second moisture-absorbing layer retains the moisture secreted in the armpit of the user, while a third moisture-impermeable layer prevents the moisture from soiling a garment worn by the user. The flexible shield is detachably secured on the garment by a pressure-sensitive adhesive or secured on the body of the user by a resilient band placed over a shoulder.

**External Links & Translations:** Google patents, Espacenet



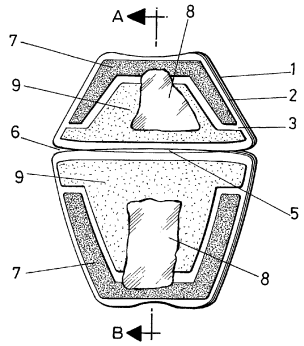
**9. WO2005079612(A1) - DEODORIZING ANTI-SWEAT AXILLARY BUTTERFLY PAD**

**Publication Date:** 01-Sep-2005
**Inventors:** PANADERO MUNOZ ANTONIO [ES]
**Applicants:** PANADERO MUNOZ ANTONIO [ES]

**Abstract:**

A deodorizing anti-sweat axillary butterfly pad comprising a planar stratified body formed by three layers an outer layer (1) which can filter unidirectionally, which remains in contact with the skin, a middle layer (2) made of absorbent cellulose and an impermeable layer (3) which enters into contact with an article of clothing, wherein it is fixed in the armhole thereof provided with a fold on the end thereof. The impermeable layer is provided with adhesive strips in order to facilitate fixing thereof to the article of clothing and with a fourth layer which is impregnated with a deodorizing fragrance or perfume in the free areas of the adhesive strips. The stratified body is provided with a transversal fold (5) which determines two symmetrical waves.

**External Links & Translations:** Google patents, Espacenet

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**10. DE20319928(U1) - Protective pad for being attached to armpit area of garment, comprising integrated fragrance to be released when getting moist**

**Publication Date:** 18-Mar-2004
**Applicants:** DIETRICH ROBERT [DE]

**Abstract:**

The pad is of a suitable shape in order to be integrated in the armpit area of a garment and made of an absorptive material. After production the pad is soaked in a scented substance and wrapped in an airtight foil. When moisture gets in contact with the item the scent is released, covering the smell of sweat without using an additional deodorant.

**External Links & Translations:** Google patents, Espacenet

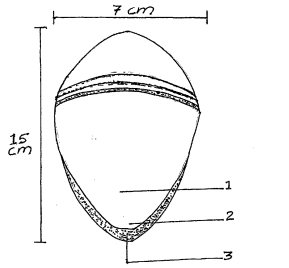
### 11. WO2004105527(A1) - SANITARY ARMPIT PAD

**Publication Date:** 09-Dec-2004
**Applicants:** SABOGAL REY ROSALBA [CO]

**Abstract:**

A sanitary armpit pad for absorbing excess sweat, consisting of three layers, namely a non-woven skin-contacting fabric cover consisting of polypropylene and polyethylene fibres incorporating a surfactant (0.5 % Silastol), an antiperspirant (2 % zinc oxide) and an antibacterial agent (0.1 % triclosan); an absorbent body consisting of cellulose fibres with a high sweat absorption capacity; and a polyethylene film having a thin adhesive layer thereon to promote adhesion thereof to the user's garments. Prior to use, the adhesive is protected by a silicon-coated strip of a suitable size.

**External Links & Translations:** Google patents, Espacenet




VISTA SEMIFRONTAL
PARTIAL FRONT VIEW

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### 12. US2005070857(A1) - Dry & free

**Publication Date:** 31-Mar-2005
**Inventors:** COURNS KELLY [US]

**Abstract:**

"Dry&Free" is an underarm deodorant pad for people who suffer from hyperhidrosis. The bottom is sticky so that it can be placed in the underarm area inside a shirt and stay firmly in place. The pad will be placed right underneath the armpit to absorb the excessive sweat. The outside of the pad will contain deodorant/ antiperspirant to prevent odor.

**External Links & Translations:** Google patents, Espacenet

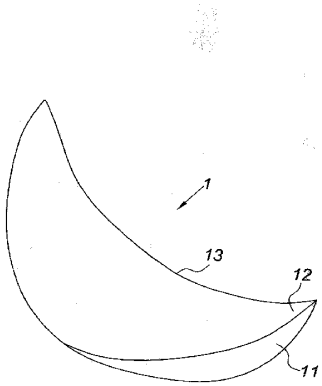
**13. FR2845870(A1) - Garment shield, preferably for one-time use, comprises folded panel of material fitted between armhole and sleeve to absorb perspiration**

**Publication Date:** 23-Apr-2004
**Inventors:** BOULAT CORINNE LE GARS
**Applicants:** BOULAT CORINNE LE GARS [FR]

**Abstract:**

The shield (1) is made from at least one layer of an absorbent material and is folded along a centre line (13) to form two sides that (11, 12) are fitted on either side of the seam between the garment's armhole and sleeve under the wearer's armpit. It can comprise a single layer of material that absorbs perspiration and traps underarm odours, or two different materials performing the same tasks. It can incorporate a third layer, e.g. of plastic film, that prevents the transmission of moisture to the garment itself, and can be fastened in position by adhesive strips.

**External Links & Translations:** Google, Espacenet

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**14. BE1016334(A3) - Sweat pad for absorbing perspiration in armpit region, comprises absorbent layer and means for securing it to clothing**

**Publication Date:** 01-Aug-2006
**Inventors:** LAURENT LUC PETRUS JOZEF GHISL [BE]

**Abstract:**

The pad (1) comprises an absorbent layer (3) with a means (8) for releasably securing it to the clothing. A sweat pad for absorbing perspiration in the armpit region comprises an absorbent layer with a fastener means on one or both sides for releasably securing the pad to the clothing.

**External Links & Translations:** Google, Espacenet

**15. NL1020014(C2) - Armpit pad for absorbing sweat, comprises moisture absorbent strip securable to inside of garment**

**Publication Date:** 21-Aug-2003
**Inventors:** BRUIJN CATHARINA [NL], GROENVELD JOHANNES HENDRICUS [NL]
**Applicants:** BRUIJN CATHARINA [NL], GROENVELD JOHANNES HENDRICUS [NL]

**Abstract:**

An armpit pad comprises a moisture absorbent strip and a means for securing it to the inside of a garment. An armpit pad comprises a moisture absorbent strip and a means for securing it to the inside of a garment in the region between the main body of the garment and one of its sleeves, so that the pad is located in the armpit region during use.

**External Links & Translations:** Google, Espacenet

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**16. FR2545335(A1) - Absorbent and deodorising armpit napkin intended to protect the garments of people who perspire abundantly and to protect against foul-smelling odours**

**Publication Date:** 09-Nov-1984
**Applicants:** SEYVE BERNARD [FR]

**Abstract:**

Absorbent and deodorising armpit napking intended to protect the garments of people who perspire abundantly. It has an anatomical shape following the curve of the armpit 1, and is formed from a flexible absorbent mass 2. An envelope inside which the said absorbent mass is arranged. One side is fastened to the garment by means of an adhesive strip 4 which holds it. A protection for this adhesive strip is easily torn off by the user. A paper soaked in a perfume releases an agreeable odour, toning down the smell of sweat. The absorbent and deodorising armpit napkin is intended particularly for protecting garments from sweat stains, to protect them from moisture and from foul-smelling odours caused by perspiration, by releasing an agreeable odour. However, the shapes, dimensions and arrangements of the various elements, like, moreover, the materials used for manufacturing them, may vary within the limit (a range) of equivalents, without thereby changing the general conception of the invention which has just been described.

**External Links & Translations:** Google, Espacenet

