CLAIMS

Claim 1.

An absorbent article comprising a liquid-permeable top sheet, a liquid-impermeable back sheet and an absorbent body between the liquid-permeable top sheet and liquid-impermeable back sheet,

wherein the absorbent article has in the excretory opening contact region a domed section that protrudes in the thickness direction of the absorbent article,

the domed section includes part of the top sheet and a cushion section disposed between the top sheet and the absorbent body,

the cushion section has a maximum thickness of 3 to 30 mm,

the absorbent body has one or more embossed sections formed by embossing the absorbent body either continuously or intermittently in the lengthwise direction of the absorbent article, and

the one or more embossed sections form a folding axis for folding the absorbent article in the widthwise direction so that the skin contact surface of the top sheet protrudes outward,

wherein the absorbent body has a furrow along the folding axis on the back sheet side, and the back sheet in indented along the furrow.

Claim 2.

The absorbent article according to claim 1, wherein the cushion section has an average basis weight of 50 to 800 g/m^2.

Claim 3.

The absorbent article according to claim 1 or 2, wherein the cushion section has a compressive force of 0.1-3.6N in the widthwise direction of the absorbent article.

Claim 4.

The absorbent article according to any one of claims

1 to 3, wherein the cushion section comprises an air-through nonwoven fabric in which the intersections between fibers are heat-fused.

Claim 5.

The absorbent article according to any one of claims 1 to 4, wherein the absorbent body has one or more embossed sections forming the folding axis, in a region overlapping the cushion section in the thickness direction.

~~Claim 6.~~

~~The absorbent article according to any one of claims 1 to 5, wherein the absorbent body has a furrow along the folding axis on the back sheet side, and the back sheet is indented along the furrow.~~

Claim ~~7~~ 6.

The absorbent article according to any one of claims 1 to ~~6~~ 5, wherein the domed section has a center section and an outer peripheral section surrounding the center section, the density of the cushion section at the outer peripheral section being higher than the density of the cushion section at the center section.

Claim ~~8~~ 7.

The absorbent article according to any one of claims 1 to ~~7~~ 6, wherein the cushion section retains at least 50% of its maximum thickness after absorption of 2 g of horse EDTA blood, as compared to before horse EDTA blood absorption.

Claim ~~9~~ 8.

The absorbent article according to any one of claims 1 to ~~8~~ 7, wherein the absorbent article has a curved structure in which the domed section curves inward.

Claim ~~10~~ 9.

The absorbent article according to any one of claims 1 to ~~9~~ 8, wherein the top sheet has, on the skin contact surface, a plurality of ridges and a plurality of furrows, extending in the lengthwise direction of the absorbent article.

Claim ~~11~~ 10.

The absorbent article according to any one of claims 1 to ~~10~~ 9, wherein the domed section further comprises a

blood modifying agent with an IOB of 0.00-0.60, a melting point of 45°C or less and a water solubility of 0.00-0.05 g in 100 g of water at 25°C.

Claim ~~12~~ 11.

The absorbent article according to claim ~~11~~ 10, wherein the blood modifying agent is selected from the group consisting of following items (i)-(iii), and any combination thereof:

(i) a hydrocarbon;

(ii) a compound having (ii-1) a hydrocarbon moiety, and (ii-2) one or more, same or different groups selected from the group consisting of carbonyl group (-CO-) and oxy group (-O-) inserted between a C-C single bond of the hydrocarbon moiety; and

(iii) a compound having (iii-1) a hydrocarbon moiety, (iii-2) one or more, same or different groups selected from the group consisting of carbonyl group (-CO-) and oxy group (-O-) inserted between a C-C single bond of the hydrocarbon moiety, and (iii-3) one or more, same or different groups selected from the group consisting of carboxyl group (-COOH) and hydroxyl group (-OH) substituting for a hydrogen of the hydrocarbon moiety;

with the proviso that when 2 or more oxy groups are inserted in the compound of (ii) or (iii), the oxy groups are not adjacent.

Claim ~~13~~ 12.

The absorbent article according to claim 10 or 11 ~~11 or 12~~, wherein the blood modifying agent is selected from the group consisting of following items (i')-(iii'), and any combination thereof:

(i') a hydrocarbon;

(ii') a compound having (ii'-1) a hydrocarbon moiety, and (ii'-2) one or more, same or different bonds selected from the group consisting of carbonyl bond (-CO-), ester bond (-COO-), carbonate bond (-OCOO-), and ether bond (-O-) inserted between a C-C single bond of the

hydrocarbon moiety; and

(iii') a compound having (iii'-1) a hydrocarbon moiety, (iii'-2) one or more, same or different bonds selected from the group consisting of carbonyl bond (-CO-), ester bond (-COO-), carbonate bond (-OCOO-), and ether bond (-O-) inserted between a C-C single bond of the hydrocarbon moiety, and (iii'-3) one or more, same or different groups selected from the group consisting of carboxyl group (-COOH) and hydroxyl group (-OH) substituting for a hydrogen on the hydrocarbon moiety;

with the proviso that when 2 or more same or different bonds are inserted in a compound of (ii') or (iii'), the bonds are not adjacent.

Claim ~~14~~ 13.

The absorbent article according to any one of claims 10 to 12 ~~11 to 13~~, wherein the blood modifying agent is selected from the group consisting of following items (A)-(F), and any combination thereof:

(A) an ester of (A1) a compound having a chain hydrocarbon moiety and 2-4 hydroxyl groups substituting for hydrogens on the chain hydrocarbon moiety, and (A2) a compound having a chain hydrocarbon moiety and 1 carboxyl group substituting for a hydrogen on the chain hydrocarbon moiety;

(B) an ether of (B1) a compound having a chain hydrocarbon moiety and 2-4 hydroxyl groups substituting for hydrogens on the chain hydrocarbon moiety, and (B2) a compound having a chain hydrocarbon moiety and 1 hydroxyl group substituting for a hydrogen on the chain hydrocarbon moiety;

(C) an ester of (C1) a carboxylic acid, hydroxy acid, alkoxy acid or oxoacid comprising a chain hydrocarbon moiety and 2-4 carboxyl groups substituting for hydrogens on the chain hydrocarbon moiety, and (C2) a compound having a chain hydrocarbon moiety and 1 hydroxyl group substituting for a hydrogen on the chain hydrocarbon moiety;

(D) a compound having a chain hydrocarbon moiety and one bond selected from the group consisting of ether bonds (-O-), carbonyl bonds (-CO-), ester bonds (-COO-) and carbonate bonds (-OCOO-) inserted between a C-C single bond of the chain hydrocarbon moiety;

(E) a polyoxy C_2-C_6 alkylene glycol, or its ester or ether; and

(F) a chain hydrocarbon.

Claim ~~15~~ 14.

The absorbent article according to any one of claims 11 to ~~14~~ 13, wherein the blood modifying agent is selected from the group consisting of (a_1) an ester of a chain hydrocarbon tetraol and at least one fatty acid, (a_2) an ester of a chain hydrocarbon triol and at least one fatty acid, (a_3) an ester of a chain hydrocarbon diol and at least one fatty acid, (b_1) an ether of a chain hydrocarbon tetraol and at least one aliphatic monohydric alcohol, (b_2) an ether of a chain hydrocarbon triol and at least one aliphatic monohydric alcohol, (b_3) an ether of a chain hydrocarbon diol and at least one aliphatic monohydric alcohol, (c_1) an ester of a chain hydrocarbon tetracarboxylic acid, hydroxy acid, alkoxy acid or oxoacid with 4 carboxyl groups, and at least one aliphatic monohydric alcohol, (c_2) an ester of a chain hydrocarbon tricarboxylic acid, hydroxy acid, alkoxy acid or oxoacid with 3 carboxyl groups, and at least one aliphatic monohydric alcohol, (c_3) an ester of a chain hydrocarbon dicarboxylic acid, hydroxy acid, alkoxy acid or oxoacid with 2 carboxyl groups, and at least one aliphatic monohydric alcohol, (d_1) an ether of an aliphatic monohydric alcohol and an aliphatic monohydric alcohol, (d_2) a dialkyl ketone, (d_3) an ester of a fatty acid and an aliphatic monohydric alcohol, (d_4) a dialkyl carbonate, (e_1) a polyoxy C_2-C_6 alkylene glycol, (e_2) an ester of a polyoxy C_2-C_6 alkylene glycols and at least one fatty acid, (e_3) an ether of a polyoxy C_2-C_6 alkylene glycol and at least one aliphatic monohydric alcohol, (e_4)