

ABSTRACT

DISPOSABLE ABSORBENT UNDERGARMENT

The invention provides a disposable absorbent undergarment such as a disposable diaper so improved that fluidal excrement can be reliably prevented from leaking out along a rear waist region beyond a waist line.

There is provided on a rear waist region (3) of a laminated panel (1) with a cushiony pad member (12) extending circumferentially of a skin-connectable surface (5) and normally protruding from the skin-contactable surface.

Fig. 1

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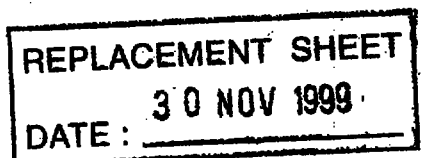
Fig. 1

WHAT IS CLAIMED IS:

1. A disposable absorbent undergarment comprising a laminated panel having front and rear waist regions, a crotch region longitudinally extending therebetween, and skin-contactable and skin-noncontactable surfaces, the laminated panel comprising a liquid-permeable topsheet extending along the skin-contactable surface, a liquid-impermeable backsheet extending along the skin-noncontactable surface and a liquid-absorbent core disposed therebetween, wherein at least the rear waist region is provided on its skin-contactable surface with barrier means extending circumferentially of the region to prevent excretion from further flowing toward a waist end of the laminated panel; the disposable undergarment being characterised in that:

the barrier means comprises a pad member protruding from the skin-contactable of the laminated panel surface of said topsheet immediately overlying the liquid-absorbent core, extending circumferentially of the rear waist region and having a compressive elastic recovery higher than those of the topsheet and the liquid-absorbent core, and

the pad member comprises a liquid-absorbent elastic member and a liquid-permeable nonwoven fabric covering



the liquid-absorbent elastic member, wherein the liquid-absorbent elastic member is obtained by opening a tow comprising a number of continuous filaments and loosely bundling the filaments substantially in a shape of cylinder extending transversely of the liquid-absorbent core.

2. The undergarment according to Claim 1, wherein the fibrous nonwoven fabric has a plurality of perforations each defined by a diameter of 2 - 15 mm.
3. The undergarment according to Claim 1, wherein the pad member protrudes from the skin-contactable surface immediately overlying the liquid-absorbent core by 2 - 50 mm.
4. The undergarment according to Claim 1, wherein a pair of flexible barrier flaps adapted to be elastically contractible longitudinally of the liquid-absorbent core extend along the skin-contactable surface of the laminated panel longitudinally of the liquid-absorbent core and wherein longitudinally opposite ends of each of the barrier flaps are pressed against and bonded to opposite sides of the pad member as viewed transversely of the liquid-absorbent core so that the opposite sides

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gradually go down toward the respective side edges of the liquid-absorbent core.

- 5 The undergarment according to Claim 1, wherein the topsheet comprises a fibrous nonwoven fabric having a plurality of perforations each defined by a diameter of 2 - 15 mm.

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