[0006] The present invention is intended for an absorbent product for receiving excrement from a wearer.

[0006A] Any discussion of documents, acts, materials, devices, articles or the like which has been included in the present specification is not to be taken as an admission that any or all of these matters form part of the prior art base or were common general knowledge in the field relevant to the present disclosure as it existed before the priority date of each claim of this application.

[0006B] Throughout this specification the word "comprise", or variations such as "comprises" or "comprising", will be understood to imply the inclusion of a stated element, integer or step, or group of elements, integers or steps, but not the exclusion of any other element, integer or step, or group of elements, integers or steps.

Summary of Invention

~~[0006] The present invention is intended for an absorbent product for receiving excrement from a wearer. It is an object of the present invention to bring the absorbent product into close contact with leg circumferences (portions of leg circumferences) without interfering with leg movement of the wearer.~~

[0007] The absorbent product according to the present disclosure ~~invention~~ comprises: a central absorbent core to face a crotch portion of a wearer; a pair of side absorbent cores extending in a front-rear direction from left and right sides of a rear portion of the central absorbent core to left and right sides of a middle portion thereof; a back sheet covering outer surfaces of the central absorbent core and the pair of side absorbent cores; a top sheet covering inner surfaces of the central absorbent core and the pair of side absorbent cores; ~~and~~ side elastic members lying at left and right sides of a front portion of the central absorbent core and being elasticated in the front-rear direction, and a pair of side wall parts lying between said central absorbent core and said pair of side absorbent cores and standing upward from said top sheet; wherein said top sheet comprises a central top sheet and a pair of side top sheets, an inner surface of said central absorbent core is covered with said central top sheet, inner surfaces of said pair of side absorbent cores are covered with said pair of side top sheets, a hydrophobic nonwoven fabric(s) covering both side portions of said central absorbent core stands upward to form said pair of side wall parts, and said pair of side top sheets is bonded to said pair of side wall parts.

[0008] In embodiment ~~the present invention~~, it is possible to bring the absorbent product into close contact with leg circumferences without interfering with leg movement of the wearer.

[0009] According to a preferred embodiment ~~of the present invention~~, since the absorbent product further comprises a pair of crotch elastic members lying between the central absorbent core and the pair of side absorbent cores and extending in the front-rear direction, the side absorbent cores can be brought into closer contact with the leg circumferences.

[0010] According to another preferred embodiment ~~of the present invention~~, since the central absorbent core is formed in a form of hourglass, a portion provided with the central absorbent core can be concave easily and excrement can be received more surely. When a urine receiving pad is used, the urine receiving pad can be easily held.

[0011] According to an embodiment disclosed herein ~~aspect of the present invention, the absorbent product further comprises a pair of side wall parts lying between the central absorbent core and the pair of side absorbent cores and standing upward from the top sheet. In this case, it is preferred that the top sheet comprises a central top sheet and a pair of side top sheets, an inner surface of the central absorbent core is covered with the central top sheet, inner surfaces of the pair of side absorbent cores are covered with the pair of side top sheets, the pair of side wall parts is formed of a hydrophobic nonwoven fabric(s) which lies from an outer surface of the central absorbent core via both side portions thereof and then stands upward, and the pair of side top sheets is bonded to the pair of side wall parts. Therefore~~, moisture which has been absorbed in the central absorbent core can be ~~is~~ prevented from moving to the side absorbent cores.

[0012] According to ~~another aspect of~~ the present disclosure ~~invention~~, side portions of the pair of side absorbent cores, which are farther than the other side portions from the central absorbent core, may be ~~are~~ covered with the top sheet, the absorbent product may further comprises an outer surface sheet which is formed of a hydrophobic nonwoven fabric and which lies outside the back sheet, the outer surface sheet may protrudes left and right from the side portions of the pair of side absorbent cores. It is therefore possible to prevent moisture from leaking out from the side portions of the side absorbent cores.

[0013] The present invention is also intended for a disposable diaper. According to the present disclosure, the disposable diaper comprises: a cover sheet; and the above absorbent product which is attached to the cover sheet.

[0014] These and other objects, features, aspects and advantages of the present invention will become more apparent from the following detailed description of the present invention when taken in conjunction with the accompanying drawings.

Brief Description of Drawings

[0015] [Fig. 1] Fig. 1 is a view showing a diaper in accordance with a first preferred embodiment.

[Fig. 2] Fig. 2 is a developed view of the diaper.

[Fig. 3] Fig. 3 is a plan view of an absorbent body.

[Fig. 4] Fig. 4 is a cross-sectional view of the absorbent body.

[Fig. 5] Fig. 5 is a cross-sectional view of the absorbent body.

[Fig. 6] Fig. 6 is a developed view of a diaper in accordance with a second preferred embodiment.

CLAIMS

[Claim 1] An absorbent product for receiving excrement from a wearer, comprising:
a central absorbent core to face a crotch portion of a wearer;
a pair of side absorbent cores extending in a front-rear direction from left and right sides of a rear portion of said central absorbent core to left and right sides of a middle portion thereof;
a back sheet covering outer surfaces of said central absorbent core and said pair of side absorbent cores;
a top sheet covering inner surfaces of said central absorbent core and said pair of side absorbent cores; ~~and~~
side elastic members lying at left and right sides of a front portion of said central absorbent core and being elasticated in said front-rear direction; and
a pair of side wall parts lying between said central absorbent core and said pair of side absorbent cores and standing upward from said top sheet; wherein
said top sheet comprises a central top sheet and a pair of side top sheets,
an inner surface of said central absorbent core is covered with said central top sheet
inner surfaces of said pair of side absorbent cores are covered with said pair of side top sheets,
a hydrophobic nonwoven fabric(s) covering both side portions of said central absorbent core stands upward to form said pair of side wall parts, and
said pair of side top sheets is bonded to said pair of said wall parts.

[Claim 2] The absorbent product according to claim 1, further comprising
a pair of crotch elastic members lying between said central absorbent core and said pair of side absorbent cores and extending in said front-rear direction.

[Claim 3] The absorbent product according to claim 1 or 2, wherein
said central absorbent core is formed in a form of hourglass.

~~[Claim 4] The absorbent product according to any one of claims 1 to 3, further comprising
a pair of side wall parts lying between said central absorbent core and said pair of side absorbent cores and standing upward from said top sheet.~~

~~[Claim 5] The absorbent product according to claim 4, wherein
said top sheet comprises a central top sheet and a pair of side top sheets,
an inner surface of said central absorbent core is covered with said central top sheet,
inner surfaces of said pair of side absorbent cores are covered with said pair of side top sheets,
said pair of side wall parts is formed of a hydrophobic nonwoven fabric(s) which lies from an outer surface of said central absorbent core via both side portions thereof and then stands upward, and
said pair of side top sheets is bonded to said pair of side wall parts.~~

[Claim 4 ~~6~~] The absorbent product according to any one of claims 1 to 3 ~~5~~, wherein
side portions of said pair of side absorbent cores, which are farther than the other side portions from said central absorbent core, are covered with said top sheet,
said absorbent product further comprises an outer surface sheet which is formed of a hydrophobic nonwoven fabric and which lies outside said back sheet,
said outer surface sheet protrudes left and right from said side portions of said pair of side absorbent cores.

[Claim 5 ~~7~~] A disposable diaper, comprising:
a cover sheet; and
the absorbent product according to any one of claims 1 to 4 ~~6~~ which is attached to said cover sheet.

[Claim 6 ~~8~~] The disposable diaper according to claim 5 ~~7~~, wherein
said cover sheet comprises:
a front cover sheet; and
a rear cover sheet whose left and right end portions are bonded to left and right end portions of said front cover sheet;
said absorbent product is bonded to a middle portion of said front cover sheet in a left-right direction and a middle portion of said rear cover sheet in said left-right direction.

[Claim 7] The disposable diaper according to claim 6, wherein
an outer surface sheet formed of a hydrophobic nonwoven fabric is provided outside said back sheet in said absorbent product, and
portions of said outer surface sheet which are overlapped with said pair of side absorbent cores are not bonded to said front cover sheet and said rear cover sheet except for front and rear end portions.