

[0004B] 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

[0005] The present disclosure is directed to a pants-type disposable diaper which has a waist opening at an upper end and a pair of leg openings on a lower part.

[0006] The disposable diaper comprises: an outer covering sheet which is folded in a middle part lying between a front part and a back part, the front part and the back part to be positioned respectively on a front side and a back side of a wearer, left and right ends of the front part being bonded to left and right ends of the back part, respectively, to form a waist opening at upper ends of the front part and the back part and form a pair of leg openings under the front part and the back part, the pair of leg openings lying ~~in~~ to left and right of the middle part; and a sheet-like absorbent body having a top sheet, a back sheet and an absorbent core which is located between said top sheet and said back sheet, said absorbent body being attached on an inner surface of the outer covering sheet to contact with the wearer and absorb excrement from the wearer, the absorbent body lying from the front part to the back part, said back sheet being positioned between said inner surface of said outer covering sheet and said absorbent core, said top sheet being positioned on an inner surface of said absorbent core; wherein portions of said back sheet and said top sheet protrude from an edge of said absorbent core in a longitudinal direction of said absorbent body, said portions are bonded to each other as a bonded end portion, said bonded end portion of the absorbent body which is positioned in the front part or the back part is folded toward the inner surface of the outer covering sheet to be bonded on the inner surface and an edge of said bonded end portion of said absorbent body is positioned between said inner surface of said outer covering sheet and said absorbent core of said absorbent body.

[0007] In an embodiment, it is possible to prevent skin of the wearer from being irritated by an edge of the bonded end portion of the absorbent body when the disposable diaper is worn.

[0008] According to a preferred embodiment, the absorbent body has a middle bond part which lies at a middle portion in the longitudinal direction and which is bonded on the inner surface, and a portion of the absorbent body which lies between a folding position of the bonded end portion and the middle bond part is not bonded to the bonded end portion and the outer covering sheet. Therefore, the vicinity of the folding position in the absorbent body can contact with the wearer closely.

[0009] According to another preferred embodiment, an entire edge of the bonded end portion

CLAIMS

[Claim 1]

A pants-type disposable diaper (1, 1a, 1b) which has a waist opening at an upper end and a pair of leg openings on a lower part, comprising: an outer covering sheet (4, 4b) which is folded in a middle part (402) lying between a front part (401) and a back part (403), said front part and said back part to be positioned respectively on a front side and a back side of a wearer, left and right ends of said front part being bonded to left and right ends of said back part, respectively, to form a waist opening (11) at upper ends of said front part and said back part and form a pair of leg openings (12) under said front part and said back part, said pair of leg openings lying ~~in~~ to left and right of said middle part; and a sheet-like absorbent body (20, 20a) having a top sheet, a back sheet and an absorbent core which is located between said top sheet and said back sheet, said absorbent body being attached on an inner surface (40) of said outer covering sheet to contact with said wearer and absorb excrement from said wearer, said absorbent body lying from said front part to said back part, said back sheet being positioned between said inner surface of said outer covering sheet and said absorbent core, said top sheet being positioned on an inner surface of said absorbent core; wherein portions of said back sheet and said top sheet protrude from an edge of said absorbent core in a longitudinal direction of said absorbent body, said portions are bonded to each other as a bonded end portion, said bonded end portion of said absorbent body which is positioned in said front part or said back part is folded toward said inner surface of said outer covering sheet to be bonded on said inner surface and an edge of said bonded end portion of said absorbent body is positioned between said inner surface of said outer covering sheet and said absorbent core of said absorbent body.

[Claim 2]

The disposable diaper according to claim 1, wherein said absorbent body has a middle bond part (201) which lies at a middle portion in said longitudinal direction and which is bonded on said inner surface, and a portion of said absorbent body which lies between a folding position (240) of said bonded end portion and said middle bond part is not bonded to said bonded end portion and said outer covering sheet.

[Claim 3]

The disposable diaper according to claim 1 or 2, wherein an entire edge (241) of said bonded end portion of said absorbent body is