[Claims]

[Claim 1]

A disposable diaper comprising:

a diaper main body including:

a liquid-permeable topsheet;

a liquid-impermeable backsheet;

an absorber provided between the topsheet and the backsheet; and

a plurality of elastic members arranged in an extended state along a longitudinal direction of the absorber, at outer sides in a widthwise direction with respect to the absorber;

a side flap protruded toward outer sides in the widthwise direction with respect to the diaper main body, at an outer end in the longitudinal direction of the diaper main body; and

a joining unit configured to join the side flap and the diaper main body, wherein

an elastic member positioned at outermost sides in the widthwise direction out of the plurality of elastic members are overlapped in an extended state in the longitudinal direction, with the joining unit in a thickness direction of the disposable diaper.

[Claim 2]

The disposable diaper according to claim 1, wherein a non-joining unit in which the side flap and the diaper main body are not jointed together is provided at an outer side in the widthwise direction with respect to the elastic member positioned at the outermost sides in the widthwise direction.

[Claim 3]

The disposable diaper according to claim 1, wherein:

the side flap includes at least a dorsal side flap out of the dorsal side flap and a ventral side flap, the dorsal side flap being overlapped with one end in the longitudinal direction of the diaper main body and being arranged at a dorsal side of a wearer, the ventral side flap being overlapped with the other end in the longitudinal direction of the diaper main body and being arranged at a ventral side of the wearer;

the dorsal side flap is provided with a fixing member which is overlapped with both outer ends in the widthwise direction of the dorsal side flap and is configured to fix the dorsal side flap in an attachable and detachable manner to the diaper main body or the ventral side flap arranged at the ventral side of the wearer; and

the elastic members are arranged by being overlapped with the joining unit configured to join the dorsal side flap and the diaper main body in the thickness direction.

[Claim 4]

The disposable diaper according to any one of claims 1 to 3, wherein:

bending stiffness of the side flap by a KES method is equal to 0.07×10^{-4} Nm/m; and bending recovery of the side flap by the KES method falls within a range from 0.07×10^{-2} Nm/m to 0.08×10^{-2} Nm/m.

[Claim 5]

The disposable diaper according to any one of claims 1 to 4, wherein:

the disposable diaper includes a pair of sidesheets which cover both ends in the widthwise direction of the absorber, and are arranged separately from each other in the widthwise direction;

both ends in the longitudinal direction of the sidesheets are arranged between the topsheet and the side flap and are joined to each of the topsheet and the side flap in a region which is overlapped with the absorber in the thickness direction; and

a side elastic member configured to be stretched in the longitudinal direction is provided at an inner end in the widthwise direction of the sidesheets.

[Claim 6]

A disposable diaper comprising:

a diaper main body including:

a liquid-permeable topsheet;

a liquid-impermeable backsheet;

an absorber provided between the topsheet and the backsheet; and

a plurality of elastic members arranged in an extended state along a longitudinal direction of the absorber, at outer sides in a widthwise direction with respect to the absorber;

a side flap protruded toward outer sides in the widthwise direction with respect to the diaper main body, at an end in the longitudinal direction of the diaper main body; and

a joining unit configured to join the side flap and the diaper main body, wherein:

an elastic member positioned at outermost sides in the widthwise direction out of the plurality of elastic member are arranged by being overlapped with the joining unit in a thickness direction of the disposable diaper; and

the side flap is configured so as to be stretchable in the longitudinal direction by means of the elastic members positioned at the outer sides in the widthwise direction while the disposable diaper is in a spread-out state.

CLAIMS

[Claim 1]

A disposable diaper comprising:

a diaper main body including:

a liquid-permeable topsheet;

a liquid-impermeable backsheet;

an absorber provided between the topsheet and the backsheet; and

a plurality of elastic members arranged in an extended state along a longitudinal direction of the absorber, at outer sides in a widthwise direction with respect to the absorber;

a dorsal side flap protruded toward outer sides in the widthwise direction with respect to the diaper main body, at one outer end in the longitudinal direction of the diaper main body and being arranged at a dorsal side of a wearer;

a ventral side flap protruded toward outer sides in the widthwise direction with respect to the diaper main body, at the other outer end in the longitudinal direction of the diaper main body and being arranged at a ventral side of the wearer; and

a joining unit configured to join the dorsal side flap and the diaper main body, wherein

an elastic member positioned at outermost sides in the widthwise direction out of the plurality of elastic members are overlapped, in an extended state in the longitudinal direction, with the joining unit in a thickness direction of the disposable diaper;

a non-joining unit in which the dorsal side flap and the diaper main body are not jointed together is provided at an outer side in the widthwise direction with respect to the elastic member positioned at the outermost sides in the widthwise direction; and

the dorsal side flap is provided with a fixing member which is joined to both outer ends in the widthwise direction of the dorsal side flap and is configured to fix the dorsal side flap in an attachable and detachable manner to the diaper main body or the ventral side flap arranged at the ventral side of the wearer.

[Claim 2]

The disposable diaper according to claim 1, wherein:

the disposable diaper includes a pair of sidesheets which cover both ends in the widthwise direction of the absorber, and are arranged separately from each other in the widthwise direction;

the sidesheets are arranged between the topsheet and the side flap and are joined to each of the topsheet and the side flap in a region which is overlapped with the

absorber in the thickness direction; and

a side elastic member configured to be stretched in the longitudinal direction is provided at an inner end in the widthwise direction of the sidesheets.

[Claim 3]

The disposable diaper according to claim 1 or 2, wherein:

the dorsal side flap being overlapped with one end in the longitudinal direction of the diaper main body; and

the ventral side flap being overlapped with the other end in the longitudinal direction of the diaper main body.