Claims

[Claim 1]

An absorbent article including a liquid-permeable topsheet, a liquid-impermeable backsheet, and an absorber disposed between the topsheet and the backsheet, comprising:

a longitudinal-direction compression groove formed along a longitudinal direction of the absorbent article by a compression process performed from the topsheet side; and

a width-direction compression groove formed along a width direction of the absorbent article by a compression process performed from the topsheet side, wherein

the longitudinal-direction compression groove includes a high compression region, a medium compression region, and a low compression region and the width direction compression groove includes the high compression region and the medium compression region, and

the low compression region is disposed over the longitudinal-direction compression groove in the width direction; and

the low compression region is not formed in the width-direction compression groove.

[Claim 2]

The absorbent article according to claim 1, wherein in the longitudinal-direction compression groove, the high compression region is disposed between the medium compression regions in the longitudinal direction and the width direction, and the medium compression region is disposed between the low compression regions in the longitudinal direction.

[Claim 3]

The absorbent article according to claim 1, wherein in the longitudinal-direction compression groove, an area occupied by the high compression region and the medium compression region is larger than an area occupied by the low compression region.

[Claim 4]

A method of manufacturing an absorbent article including a liquid-permeable topsheet, a liquid-impermeable backsheet, and an absorber disposed between the topsheet and the backsheet, the method comprising forming a compression groove by way of a compression process using a pressure roll from a topsheet side of the absorbent article, wherein the pressure roll is configured such that:

a molded protrusion is provided on the outer circumference of the pressure roll,

on a contact surface of the absorbent article of the molded protrusion, a plurality of convex units and a plurality of concave units are provided along a rotation direction of the pressure roll~~, and~~

the concave units are disposed on the edge in the width direction of the molded protrusion/

the molded protrusion is configured by a rotation-direction molded protrusion provided along the rotation direction and a width direction molded protrusion provided along the width direction of the pressure roll, and

the concave units are provided on the contact surface of the absorbent article in the rotation-direction molded protrusion, and are not provided on the contact surface of the absorbent article in the width direction molded protrusion.

[Claim 5]

The method of manufacturing an absorbent article according to claim 4, wherein in the rotation direction, the concave units are disposed between the convex units.

[Claim 6]

The method of manufacturing an absorbent article according to claim 4, wherein the concave units are disposed over the contact surface in the width direction.

~~[Claim 7]~~

~~The method of manufacturing an absorbent article according to claim 4, wherein~~

~~the molded protrusion is configured by a rotation-direction molded protrusion provided along the rotation direction and a width direction molded protrusion provided along the width direction of the pressure roll, and~~

~~the concave units are provided on the contact surface of the absorbent article in the rotation-direction molded protrusion, and are not provided on the contact surface of the absorbent article in the width direction molded protrusion.~~

[Claim ~~8~~ 7]

The method of manufacturing an absorbent article according to claim 4, wherein an angle formed by a side surface of the concave unit and a bottom surface of the concave unit in an anterior side of the rotation direction is between 15 and 60 degrees.