

Description

Title of Invention: ABSORBENT ARTICLE

Technical Field

- [0001] The present invention relates to an absorbent article such as an incontinence pad (including a light incontinence pad), a sanitary napkin, and a disposable diaper.

Background Art

- [0002] Conventionally, there is known an absorbent article comprising a sheet-shaped absorbent body which contains an absorbent polymer but does not contain a pulp fiber between nonwoven fabric sheets. For example, Patent Literature 1 discloses an absorbent article comprising a laminate sheet in which two or more of the sheet-shaped absorbent bodies are laminated. Patent Literature 2 discloses an absorbent laminate comprising the sheet-shaped absorbent body and a fiber assembly layer which is disposed under the sheet-shaped absorbent body, that is a back sheet side, and which contains an absorbent polymer and pulp fibers.

Citation List

Patent Literature

- [0003] PTL 1: Japanese Patent Application Laid-Open Publication No. 2004-313580
PTL 2: Japanese Patent Application Laid-Open Publication No. 2004-275225

Summary of Invention

Technical Problem

- [0004] The sheet-shaped absorbent body does not contain pulp fibers, and thus can be formed so as to be thin while maintaining its absorptive capacity. However, the absorption rate of an absorbent polymer is lower than that of pulp fibers, and therefore, when a bodily fluid such as urine is excreted in a large amount at one time, there is the possibility that the bodily fluid is not rapidly absorbed. Therefore, in the absorbent article in which the sheet-shaped absorbent body is provided on a top sheet side as disclosed in Patent Literatures 1 and 2, there is the possibility that a bodily fluid is not rapidly absorbed when a bodily fluid is excreted in a large amount at one time.
- [0005] The present invention has been achieved in view of the above circumstances, and embodiments an object of the present invention seeks to provide an absorbent article which comprises the sheet-shaped absorbent body and can absorb a bodily fluid such as urine rapidly.

Solution to Problem

- [0006] An absorbent article according to an embodiment of the present invention which solves the above problems comprises a top sheet, a back sheet and an absorbent laminate disposed between the top sheet and the back sheet, wherein: the absorbent laminate comprises a first absorbent layer and a second absorbent layer provided in this order from the top sheet

side, and having a longitudinal direction and a width direction; ~~the second absorbent layer contains an absorbent polymer and/or pulp fibers; the first absorbent layer contains an absorbent polymer but does not contain a pulp fiber between nonwoven fabric sheets; the second absorbent layer contains an absorbent polymer but does not contain a pulp fiber between nonwoven fabric sheets~~ and the second absorbent layer extends outward in the longitudinal direction beyond the first absorbent layer. According to the absorbent article of an embodiment~~the present invention~~, since the second absorbent layer extends outward in the longitudinal direction beyond the first absorbent layer, even when a bodily fluid is excreted in a large amount at one time and overflows from the edge of the first absorbent layer in the longitudinal direction, the bodily fluid is absorbed by the second absorbent layer, whereby the low absorption rate of the first absorbent layer is recovered. In particular, when the bodily fluid is excreted in the state where the wearer is in a prone position or in a supine position, the second absorbent layer which extends outward in the longitudinal direction beyond the first absorbent layer can effectively absorb the bodily fluid.

[0007] The second absorbent layer preferably contains an absorbent polymer but does not contain a pulp fiber between nonwoven fabric sheets. According to this constitution, the second absorbent layer can be also formed so as to be thin while having a high absorptive capacity. Therefore, the absorbent article which is formed slimly and has a high absorptive capacity is easily obtained.

[0008] It is preferable that the first absorbent layer has a plurality of absorbent polymer present regions, in each of which the absorbent polymer is provided, and an absorbent polymer absent region adjacent to the absorbent polymer present region between the nonwoven fabric sheets; the nonwoven fabric sheets of the first absorbent layer are joined together at the absorbent polymer absent region to form a sealing portion; and the absorbent polymer present regions of the first absorbent layer are disposed intermittently in the width direction of the absorbent laminate. According to this constitution, a bodily fluid is promoted to spread in the longitudinal direction on the surface of the first absorbent layer. Therefore, when a bodily fluid are excreted in a large amount at one time, the bodily fluid is easily absorbed by the second absorbent layer which extends outward in the longitudinal direction beyond the first absorbent layer.

[0009] It is also preferable that the second absorbent layer has a plurality of absorbent polymer present regions, in each of which the absorbent polymer is provided, and an absorbent polymer absent region adjacent to the absorbent polymer present region between the nonwoven fabric sheets; the nonwoven fabric sheets of the second absorbent layer are joined together at the absorbent polymer absent region to form a sealing portion; and the absorbent polymer present regions of the second absorbent layer are disposed intermittently in the width direction of the absorbent laminate.