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(54) Title: ABSORBENT MATERIALS FOR DISTRIBUTING AQUEOUS LIQUIDS

(57) Abstract

Disclosed are materials capable of distributing and releasing aqueous fluids, e.g., urine, to a storage material. These fluid distribution materials have: A) a ratio of capillary desorption height (i.e., height at 50 % capacity) to capillary absorption height (i.e., height at 50 % capacity) of not more than about 1.8:1; B) a capillary desorption height of not more than about 50 cm; C) the ability to wick synthetic urine at 31 °C to a height of 15 cm in not more than about 25 minutes; and D) a vertical wicking capacity at 15 cm of at least about 6 g/g. Also disclosed are absorbent articles comprising such a distribution material. These absorbent articles, which are especially suitable for absorbing and retaining aqueous body fluids, comprise: I) a backing sheet; II) an absorbent core associated with the backing sheet such that the absorbent core is positioned between the backing sheet and the fluid discharge region of the wearer of the article, the absorbent core comprising a distribution material of the present invention; and III) optionally, a topsheet positioned such that the absorbent core is located between the backing sheet and the topsheet.

