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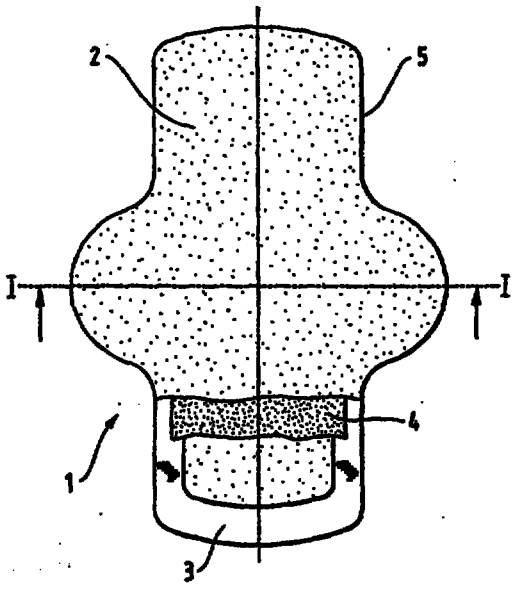
(11) Int. Publication Number: WO 97/24098
(43) Int. Publication Date: 10 July 1997 (10.07.97)

(54) Title: ABSORBENT ARTICLES HAVING FLUID CONTACT ANGLE GRADIENTS AND APERTURED BACKSHEET LAYER

(57) Abstract

The present invention relates to a disposable absorbent article (1) comprising a liquid pervious topsheet (2), an absorbent core (4), and a backsheet (3). Said backsheet (3) comprises a gas permeable polymeric two-dimensional film having apertures, and said core (4) comprising a fluid storage layer, wherein said absorbent article (1) exhibits a fluid contact angle gradient across said storage layer and said backsheet (3).



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(71) Applicant (for all designated States except US): THE PROCTER & GAMBLE COMPANY [US/US]; One Procter & Gamble Plaza, Cincinnati, OH 45202 (US).
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(75) Inventors/Applicants (for US only): BEWICK-SONNTAG, Christopher, Philip [GB/IT]; Via Giorgione, 9, I-65125 Pescara (IT). DIVO, Michael [DE/DE]; Feldbergstrasse 14, D-61381 Friedrichsdorf (DB). VEGLIO, Paolo [IT/IT]; Via Piomba, 23, I-65100 Pescara (IT).
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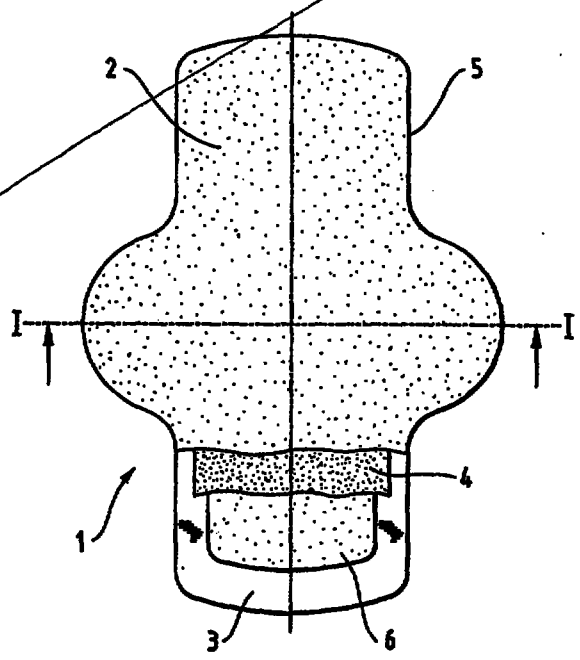
The present invention relates to a disposable absorbent article (1) comprising a liquid pervious top sheet (2), an absorbent core (4), and a back sheet (3). Said back sheet comprises a fluid permeable polymeric film having uni-directional fluid transfer towards the core, and said core comprising a fluid storage layer, wherein said absorbent article exhibits a fluid contact angle gradient across said storage layer and said back sheet.