

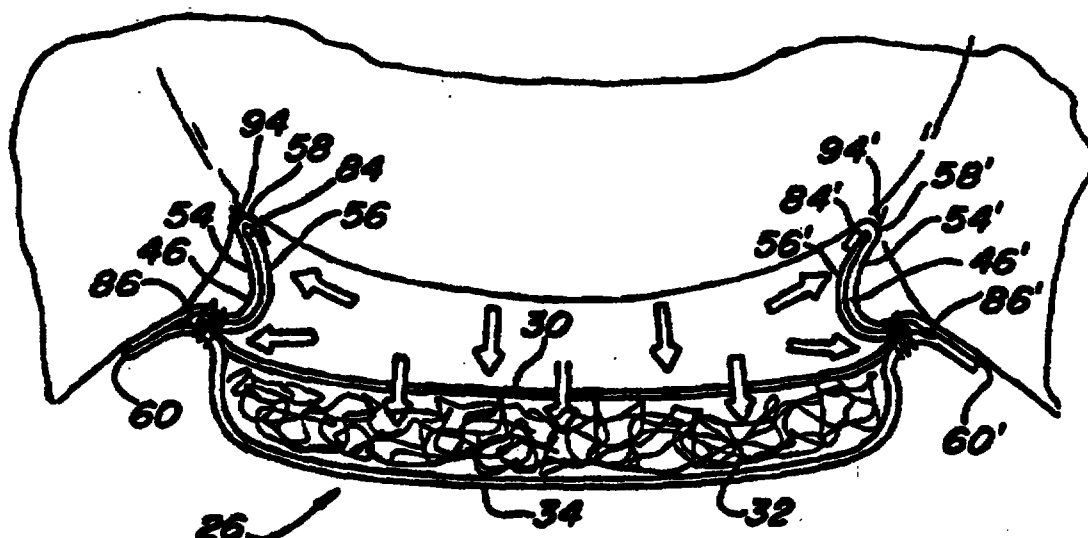


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(54) Title: LOCALIZED APPLICATION OF FINE DENIER FIBERS ONTO A SPUNBONDED WEB FOR OPTIMIZATION OF LEG CUFF HYDROPHOBICITY IN DIAPERS AND PADS		



(57) Abstract

A disposable absorbent article (26) that effectively prevents the leakage of body fluids beyond its confines. The article of the present invention comprises a body (28) having a fluid-impermeable backsheet (34), an intermediate, fluid-absorbing core (32), and a fluid-permeable topsheet (30). A pair of leg cuff assemblies (46, 46') is attached to the body. Each assembly comprises a cuff standing portion (48, 48') and a cuff base portion (50, 50'). The assemblies are composed of two hydrophobic nonwoven layers. A first layer (54, 54') is composed of a spunbonded web and a second layer (56, 56') is composed of a meltblown fiber. The first layer extends from the free, unattached end (58, 58') of the cuff standing portion (48) to the distal edge (60, 60') of the article defining the leg opening. The second layer is provided where needed and in weights as needed to provide maximum assembly hydrophobicity with a minimum use of material. This construction allows the cuff assemblies to form fluid-impermeable dams which prevent passage of body fluid beyond the article along its leg hole sides.