

Title (en)  
LIQUID DISTRIBUTION MATERIALS WITH IMPROVED DISTRIBUTION PROPERTIES UNDER SUB-SATURATION

Title (de)  
ABSORBIERENDE ARTIKEL MIT VERBESSERTEN VERTEILUNGSEIGENSCHAFTEN BEI UNTERSÄTTIGUNG

Title (fr)  
MATERIAUX DE DISTRIBUTION DE LIQUIDES POSSEDANT DES PROPRIETES DE DISTRIBUTION AMELIOREES EN ETAT DE SATURATION PARTIELLE

Publication  
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Application  
**EP 99906380 A 19990312**

Priority

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- US 9805041 W 19980313

Abstract (en)  
[origin: WO9945876A1] The present invention is a fluid handling member having improved balance of permeability, ability to release fluid both at full and partial saturation. This member has (i) a sufficiently open structure with a permeability of at least about 1 Darcy at 100 % saturation, (ii) the ability readily release the fluid contained therein by having a low Capillary Sorption Desorption Height (CSDH 50) of less than about 150 cm, and (iii) a permeability at 50 % of their saturation, which is more than about 14 % of the permeability at 100 % saturation. A preferred execution of such materials comprises an open celled foam material, such as of a High Internal Phase Emulsion (HIPE) type. Such materials are particularly useful for absorbent articles, such as diapers, adult incontinence articles, or feminine hygiene articles.

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