

Title (en)  
POLYSACCHARIDE ABSORBENT AND METHOD

Title (de)  
ABSORBIERUNGSMITTEL AUF DER BASIS VON POLYSACCHARID UND VERFAHREN

Title (fr)  
ABSORBANT A BASE DE POLYSACCHARIDE ET PROCEDE

Publication  
**EP 1282647 A2 20030212 (EN)**

Application  
**EP 01928663 A 20010419**

Priority  
• US 0112761 W 20010419  
• US 57249200 A 20000515

Abstract (en)  
[origin: WO0187365A2] Disclosed are novel polysaccharide absorbents and method for providing a water-swellaable, water-insoluble modified polysaccharide having preferred age-stable absorption properties. The novel polysaccharide absorbents and method provide a natural-based absorbent and preferred aging characteristics for absorbency. A natural-based water-soluble carboxyalkylpolysaccharide is dissolved in water and recovered and heat-treated to form a carboxyalkyl polysaccharide which is water swellaable and water insoluble. The water-swellaable and water-insoluble carboxyalkyl polysaccharide having a preferred initial absorbency under load value is aged under at least about 60 percent relative humidity. In one aspect the aqueous mixture of water-soluble carboxyalkyl polysaccharide has a pH between about 4.0 and about 7.5. The natural-based material product having preferred absorbency under load and preferred aging characteristics retains at least about 50 percent of an initial Absorbency Under Load analytical testing value after aging.

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IPC 8 full level  
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CPC (source: EP KR)  
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