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-swellable, 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 swellable and water insoluble. The water-swellable 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.

IPC 1-7
**C08B 11/20**; C08B 15/00; C08B 37/00; A61L 15/00; A61L 15/28

IPC 8 full level
**A61F 13/15** (2006.01); **A61F 5/44** (2006.01); **A61F 13/53** (2006.01); **A61L 15/00** (2006.01); **A61L 15/28** (2006.01); **A61L 15/60** (2006.01); **B01J 20/26** (2006.01); **C08B 11/20** (2006.01); **C08B 15/00** (2006.01); **C09K 3/00** (2006.01)

CPC (source: EP KR)
**A61L 15/28** (2013.01 - EP KR); **A61L 15/60** (2013.01 - EP); **C08B 11/20** (2013.01 - EP); **C08B 15/005** (2013.01 - EP)

Citation (search report)
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