

Title (en)  
SURFACE SIZING OF CELLULOSE-BASED PRODUCTS

Title (de)  
OBERFLÄCHENLEIMUNG VON PRODUKTE AUF ZELLULOSEBASIS

Title (fr)  
COLLAGE EN SURFACE DE PRODUITS A BASE DE CELLULOSE

Publication  
**EP 0889992 A1 19990113 (EN)**

Application  
**EP 97916695 A 19970326**

Priority  
• SE 9700542 W 19970326  
• SE 9601744 A 19960507  
• US 62561696 A 19960329

Abstract (en)  
[origin: WO9737078A1] The invention relates to a method of surface sizing cellulose-based products and to an aqueous sizing composition. The method comprises applying to the surface of cellulose-based products an aqueous dispersion of a copolymer obtainable by free-radical emulsion polymerization of a monomers mixture comprising at least one monomer selected from the group consisting of styrene and derivatives thereof; at least one monomer selected from the group consisting of esters of ethylenically unsaturated carboxylic acids and alkanols; and at least one monomer selected from the group consisting of ethylenically unsaturated carboxylic and sulfonic acids and salt thereof; optionally in combination with other ethylenically unsaturated copolymerizable monomers. The aqueous sizing composition comprises a dispersion of a copolymer obtainable by free-radical emulsion polymerization of such a monomers mixture and an electrolyte.

IPC 1-7  
**D21H 17/35**; **D21H 21/16**

IPC 8 full level  
**D21H 19/22** (2006.01); **D21H 21/16** (2006.01); **D21H 17/34** (2006.01)

CPC (source: EP)  
**D21H 21/16** (2013.01); **D21H 17/34** (2013.01)

Citation (search report)  
See references of WO 9737078A1

Designated contracting state (EPC)  
AT BE CH DE DK ES FI FR GB IT LI NL SE

DOCDB simple family (publication)  
**WO 9737078 A1 19971009**; AT E201246 T1 20010615; AU 2525297 A 19971022; CA 2250235 A1 19971009; DE 69704859 D1 20010621; EP 0889992 A1 19990113; EP 0889992 B1 20010516; JP 2000507652 A 20000620; JP 3181060 B2 20010703

DOCDB simple family (application)  
**SE 9700542 W 19970326**; AT 97916695 T 19970326; AU 2525297 A 19970326; CA 2250235 A 19970326; DE 69704859 T 19970326; EP 97916695 A 19970326; JP 53519997 A 19970326