Title (en)

DURABLE PRESS/WRINKLE-FREE PROCESS

Title (de)

VERFAHREN FÜR DAS KNITTERFESTAUSRÜSTEN

Title (fr)

PROCEDE PERMETTANT DE RENDRE UN TISSU INFROISSABLE ET SANS PLIS

Publication

EP 1100990 A4 20020807 (EN)

Application

EP 98921043 A 19980512

Priority

- US 9809367 W 19980512
- US 7533498 A 19980511

Abstract (en)

[origin: WO9958758A1] Cellulosic fiber-containing fabrics are made wrinkle resistant by a durable press wrinkle-free process which comprises treating a cellulosic fiber-containing fabric with formaldehyde, a catalyst capable of catalyzing the cross-linking reaction between the formaldehyde and cellulose and a silicone elastomer, heat-curing the treated cellulose fiber-containing fabric, preferably having a moisture content of more than 20 % by weight, under conditions at which formaldehyde reacts with cellulose in the presence of the catalyst without a substantial loss of formaldehyde before the reaction of the formaldehyde with cellulose to improve the wrinkle resistance of the fabric in the presence of a silicone elastomeric softener to provide higher wrinkle resistance, and better tear strength after washing, with less treatment.

IPC 1-7

D06M 13/127; D06M 15/39; D06M 15/643

IPC 8 full level

D06M 13/127 (2006.01); **D06M 15/643** (2006.01); **D06M 15/657** (2006.01)

CPC (source: EP)

D06M 13/127 (2013.01); **D06M 15/643** (2013.01); **D06M 15/6436** (2013.01); **D06M 15/657** (2013.01); D06M 2101/06 (2013.01); D06M 2200/20 (2013.01)

Citation (search report)

- [X] CH 557447 A 19741231 - WEST POINT PEPPERELL INC
- See references of WO 9958758A1

Designated contracting state (EPC)

AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU NL PT SE

DOCDB simple family (publication)

WO 9958758 A1 19991118; AU 7373398 A 19991129; CA 2331646 A1 19991118; DE 69840983 D1 20090827; EP 1100990 A1 20010523; EP 1100990 A4 20020807; EP 1100990 B1 20090715; ES 2330978 T3 20091217; JP 2003526741 A 20030909; JP 4162856 B2 20081008

DOCDB simple family (application)

US 9809367 W 19980512; AU 7373398 A 19980512; CA 2331646 A 19980512; DE 69840983 T 19980512; EP 98921043 A 19980512; ES 98921043 T 19980512; JP 2000548543 A 19980512