

Title (en)  
METHOD FOR PRODUCING STAIN RESISTANT POLYAMIDE FIBERS

Publication  
**EP 0235989 B1 19920506 (EN)**

Application  
**EP 87301252 A 19870213**

Priority  
• US 82923286 A 19860214  
• US 90049086 A 19860826

Abstract (en)  
[origin: EP0235989A1] Polyamide fibers are made stain resistant by treating them with a sulfonated naphthol- or sulfonated phenol-formaldehyde condensation product. Applying the stain-resist compounds at pH values of between 1.5 and 2.5 renders them stable to yellowing upon exposure to agents in the environment such as NO<sub>2</sub>.

IPC 1-7  
**D06M 15/41**

IPC 8 full level  
**D06M 15/41** (2006.01); **D06M 101/00** (2006.01); **D06M 101/16** (2006.01); **D06M 101/30** (2006.01); **D06M 101/34** (2006.01)

CPC (source: EP)  
**D06M 15/412** (2013.01)

Cited by  
US4937123A; US5310828A; US5223340A; US5061763A; US4940757A; US5137759A; US4822373A; EP0332343A3; US5015259A; US5074883A; EP0345212A1; JPH03500307A; US4925707A; WO9103593A1; WO8902949A1; EP0242495B1

Designated contracting state (EPC)  
AT BE CH DE FR GB LI SE

DOCDB simple family (publication)  
**EP 0235989 A1 19870909; EP 0235989 B1 19920506**; AU 588425 B2 19890914; AU 6869287 A 19870820; BR 8700658 A 19871208; CA 1264505 A 19900123; DE 3778736 D1 19920611; DK 167697 B1 19931206; DK 73587 A 19870815; DK 73587 D0 19870213; JP 2595226 B2 19970402; JP S62223378 A 19871001; MX 164725 B 19920921

DOCDB simple family (application)  
**EP 87301252 A 19870213**; AU 6869287 A 19870211; BR 8700658 A 19870212; CA 529371 A 19870210; DE 3778736 T 19870213; DK 73587 A 19870213; JP 3071987 A 19870214; MX 522987 A 19870213