

Title (en)
FIBER TREATING AGENT AND FIBER TREATED WITH THE SAME

Title (de)
FASERBEHANDLUNGSMITTEL UND DIE BEHANDELTE FASER

Title (fr)
AGENT DE TRAITEMENT DE FIBRE ET FIBRE TRAITEE AVEC CET AGENT

Publication
EP 1160371 A4 20011205 (EN)

Application
EP 99923997 A 19990610

Priority

- JP 9903110 W 19990610
- JP 18146498 A 19980612

Abstract (en)
[origin: WO9964663A1] A fiber treating agent which not only prevents polyamide fibers and the like from suffering scum deposition on the fiber surface during long-term storage to thereby prevent the fibers from fluffing or breaking during post-processing and from giving a knit of reduced quality, but imparts high collectability to synthetic fiber filaments. The treating agent contains either (a) a urethane compound obtained from a C12+ polyhydric alcohol and an organic diisocyanate or (b) an amide compound obtained from a C12+ polycarboxylic acid and an organic diisocyanate. Especially preferably, the urethane compound is one obtained from a dimer alcohol having a molecular weight of 300 to 1,000 and an organic diisocyanate, while the amide compound is one obtained from a dimer acid having a molecular weight of 300 to 1,000 and an organic diisocyanate.

IPC 1-7
D06M 15/59; **D06M 15/564**; **D06N 3/14**; **C08L 77/00**; **C08L 75/04**

IPC 8 full level
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CPC (source: EP KR)
D06M 7/00 (2013.01 - EP); **D06M 15/564** (2013.01 - EP); **D06M 15/59** (2013.01 - EP KR); **D06M 2101/34** (2013.01 - EP); **D06M 2200/40** (2013.01 - EP)

Citation (search report)

- [X] US 5472623 A 19951205 - DOI TETSUO [JP], et al
- [X] EP 0463835 A2 19920102 - MINNESOTA MINING & MFG [US]
- [X] US 4310373 A 19820112 - SCHUHMACHER GUENTER, et al
- [X] US 5310827 A 19940510 - KOMIYA YUKIATSU [JP], et al
- [X] US 5726281 A 19980310 - NOJIRI HITOSHI [JP], et al
- See references of WO 9964663A1

Designated contracting state (EPC)
DE FR IT

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WO 9964663 A1 19991216; EP 1160371 A1 20011205; EP 1160371 A4 20011205; JP 4090693 B2 20080528; KR 20010042583 A 20010525

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