Title (en)

PROCESSES FOR MODIFYING TEXTILES USING IONIC LIQUIDS

Title (de)

VERFAHREN ZUR MODIFIZIERUNG VON TEXTILIEN DURCH IONISCHE FLÜSSIGKEITEN

Title (fr)

MODIFICATION DE TEXTILES AU MOYEN DE LIQUIDES IONIQUES

Publication

EP 1807565 A2 20070718 (EN)

Application

EP 05815299 A 20051101

Priority

- US 2005039346 W 20051101
- US 62405304 P 20041101

Abstract (en)

[origin: US2006090271A1] Processes for modifying a textile to improve its performance which comprise the steps of a) contacting a textile comprising fibers with a treating composition comprising an ionic liquid under conditions sufficient to modify at least surfaces of the fibers, thereby provide a performance improvement to treated textile; b) optionally, contacting a textile comprising fibers with a composition comprising a benefit agent; and c) at least partially removing the treating composition from the textile. In specific embodiments, the surface modification comprises a partial dissolution of at least one outer layer of the fibers and/or crystal structure change in at least surfaces of the fibers. The surface modification can impart improvements to the textile or allow embedding or attachment of a benefit agent in the fibers.

IPC 8 full level

D06M 13/00 (2006.01); **D06P 1/44** (2006.01)

CPC (source: EP US)

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Citation (search report)

See references of WO 2006050300A2

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Designated extension state (EPC)

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DOCDB simple family (publication)

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