

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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**D06M 2200/20** (2013.01 - EP US); **D06M 2200/45** (2013.01 - EP US); **D06M 2200/50** (2013.01 - EP US)

Citation (search report)

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Designated extension state (EPC)

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DOCDB simple family (publication)

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DOCDB simple family (application)

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