

Title (en)

Article having a surface with low wettability and its method of making

Title (de)

Artikel enthaltend eine Oberfläche mit niedriger Benetzbarkeit und dessen Herstellungsverfahren

Title (fr)

Article ayant une surface de mouillabilité réduite et sa méthode de production

Publication

EP 1844863 A1 20071017 (EN)

Application

EP 06252026 A 20060412

Priority

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Abstract (en)

An article (100) comprises a textured surface (120) disposed on a substrate (110). The surface (120) has an effective liquid wettability sufficient to generate, with a reference liquid (230), a contact angle (140) in a range from about 120° to about 180°. The surface (120) comprises a material having a nominal liquid wettability sufficient to generate, with the reference liquid (230), a nominal contact angle (240) in a range from about 60° to about 90°, the material comprising at least one material selected from the group consisting of a polymer and a ceramic. The properties of the surface (120) may include low-drag or low-friction, self-cleaning capability, and resistance to icing, fouling, and fogging, and the like. Methods of making such a surface (120) are also described.

IPC 8 full level

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CPC (source: EP)

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Citation (search report)

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