

Title (en)
BUGPHOBIC AND ICEPHOBIC COMPOSITIONS WITH FLUID ADDITIVES

Title (de)
INSEKTENABSTOSSENDE UND EISABSTOSSENDE ZUSAMMENSETZUNGEN MIT FLÜSSIGEN ADDITIVEN

Title (fr)
COMPOSITIONS ANTI-INSECTES ET GLACIOPHOBES CONTENANT DES ADDITIFS LIQUIDES

Publication
EP 3746509 A1 20201209 (EN)

Application
EP 18904046 A 20180928

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• US 2018053269 W 20180928

Abstract (en)
[origin: WO2019152081A1] Some variations provide an anti-fouling segmented copolymer composition comprising: (a) one or more first soft segments selected from fluoropolymers; (b) one or more second soft segments selected from polyesters or polyethers; (c) one or more isocyanate species possessing an isocyanate functionality of 2 or greater, or a reacted form thereof; (d) one or more polyol or polyamine chain extenders or crosslinkers, or a reacted form thereof; and (e) a fluid additive selectively disposed in the first soft segments or in the second soft segments. Other variations provide an anti-fouling segmented copolymer precursor composition comprising a fluid additive precursor selectively disposed in the first soft segments or in the second soft segments, wherein the fluid additive precursor includes a protecting group. The anti-fouling segmented copolymer composition may be present in an anti-ice coating, an anti-bug coating, an anti-friction coating, an energy-transfer material, or an energy-storage material, for example.

IPC 8 full level
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CPC (source: EP)
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C-Set (source: EP)
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