

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 A4 20211110 (EN)**

Application  
**EP 18904046 A 20180928**

Priority  
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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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Citation (search report)  
• [XA] US 2017174911 A1 20170622 - NOWAK ANDREW P [US], et al  
• [XA] US 2017174910 A1 20170622 - NOWAK ANDREW P [US], et al  
• [XA] US 2016194574 A1 20160707 - GROSS ADAM F [US], et al  
• [XA] WO 2017210230 A1 20171207 - HRL LAB LLC [US]  
• See references of WO 2019152081A1

Designated contracting state (EPC)  
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