

Title (en)
FLUORINATED PHOSPHATES AS SURFACE ACTIVE AGENTS

Title (de)
FLUORIERTE PHOSPHATE ALS OBERFLÄCHENAKTIVE MITTEL

Title (fr)
PHOSPHATES FLUORÉS À TITRE D'AGENTS TENSIOACTIFS

Publication
EP 2699659 A1 20140226 (EN)

Application
EP 12709446 A 20120302

Priority

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- US 2012027504 W 20120302

Abstract (en)
[origin: WO2012145078A1] An improved method for lowering the surface tension of coating compositions wherein a surfactant is contacted with said coating composition, wherein the improvement comprises contacting said coating composition with a surfactant comprising (RfAO)P(O)(O⁻M⁺)₂ (formula I) and (RfAO)₂P(O)(O⁻M⁺) (formula II) where Rf is a C1 to C6 linear or branched perfluoroalkyl optionally interrupted by one, two or three ether oxygen atoms; A is (CH₂CF₂)_m(CH₂)_n, (CH₂)₀SO₂N(CH₃)(CH₂)_p, ^o(CF₂)_q(CH₂)_r or OCHF₂CF₂OE; m is 0 to 4; n, o, p, and r are each independently 2 to 20; q is 2; E is a C2 to C20 linear or branched alkyl group optionally interrupted by oxygen, sulfur, or nitrogen atoms; a cyclic alkyl group, or a C6 to C10aryl group; M is a Group I metal or an ammonium cation (NH_xR₂)⁺ where R₂ is a C1 to C4 alkyl; x is 1 to 4; y is 0 to 3; and x + y is 4; and wherein formula (I) is present at greater than or equal to 50 mol%, and substrates treated with said coating composition.

IPC 8 full level
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Citation (search report)
See references of WO 2012145078A1

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