

Title (en)

SINGLE-COMPONENT COATING HAVING ALKOXYSILANE-TERMINATED N-SUBSTITUTED UREA RESINS

Title (de)

EINKOMPONENTENBESCHICHTUNG MIT ALKOXYSILANE-TERMINIERTEN N-SUBSTITUIERTEN HARNSTOFFHARZEN

Title (fr)

REVÊTEMENT MONO-COMPOSANT COMPORTANT DES RÉSINES D'URÉE N-SUBSTITUÉES TERMINÉES PAR ALCOXYSILANE

Publication

**EP 2588051 A1 20130508 (EN)**

Application

**EP 10854202 A 20100629**

Priority

US 2010040332 W 20100629

Abstract (en)

[origin: WO2012002932A1] The coating described herein attempts to provide this solution by synthesizing alkoxy silane- terminated N-substituted urea resins, then formulating them into moisture-curable single- component (1K) topside coatings. These coatings will provide greater external stability (to UV and visible radiation), cleanability, flexibility, cure times and lower VOC content than the currently qualified silicone alkyd topside coatings that are found on Navy ships. The single- component coating can include at least an alkoxy silane-terminated N-substituted urea resin, a reactive diluent, a pigment, a filler, and a catalyst. The resin can include an amino-functional silane substituted at the N-position and a non-aromatic isocyanate.

IPC 8 full level

**A61F 13/04** (2006.01); **C08G 18/00** (2006.01)

CPC (source: EP)

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Citation (search report)

See references of WO 2012002932A1

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