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(54) Title: ANTI-REFLECTIVE COATINGS USING VINYL ETHER CROSSLINKERS

(57) Abstract: Novel, wet developable anti-reflective coating compositions and methods of using those compositions are provided. The compositions comprise a polymer and/or oligomer having acid functional groups and dissolved in a solvent system along with a crosslinker and a photoacid generator. The preferred acid functional group is a carboxylic acid, while the preferred crosslinker is a vinyl ether crosslinker. In use, the compositions are applied to a substrate and thermally crosslinked. Upon exposure to light, the cured compositions will decrosslink, rendering them soluble in typical photoresist developing solutions (e.g., alkaline developers).



WO 2005/111719 A3