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- (71) Applicant: **3M INNOVATIVE PROPERTIES COMPANY** [US/US]; 3M Center, Post Office Box 33427, Saint Paul, MN 55133-3427 (US).
- (72) Inventor: **JACOBS, Jeffrey, L.**; Post Office Box 33427, Saint Paul, MN 55133-3427 (US).
- (74) Agents: **SZYMANSKI, Brian, E.** et al.; Office of Intellectual Property Counsel, Post Office Box 33427, Saint Paul, MN 55133-3427 (US).
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(54) Title: PHOTOCATALYTIC COMPOSITION AND METHOD FOR PREVENTING ALGAE GROWTH ON BUILDING MATERIALS

(57) Abstract: The present invention provides a coating composition for substrates. The coating composition of the present invention generally includes a silicate binder and a plurality of photocatalytic particles. The silicate binder functions as a bonding agent to establish the coating on the substrate. A plurality of photocatalyst particles are dispersed throughout the silicate binder. The particles are included in an amount that provides sufficient distribution of the particles in the resulting coating. The incorporation of the present invention onto substrates prevents algal growth on building materials utilizing the coated substrates.