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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) Inventors: **ENGEL, Michael R.**; Post Office Box 33427, Saint Paul, MN 55133-3427 (US). **KAUSCH, William L.**; Post Office Box 33427, Saint Paul, MN 55133-3427 (US). **PETERSON, Jeffrey A.**; Post Office Box 33427, Saint Paul, MN 55133-3427 (US).

(74) Agents: **BATES, Carolyn, A.** et al.; Office of Intellectual Property Counsel, Post Office Box 33427, Saint Paul, MN 55133-3427 (US).

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(54) Title: WATER-BASED INK-RECEPTIVE COATING



(57) Abstract: A film receptive to a variety of different classes or kinds of inks, such as water based inks, solvent based inks and UV cured inks. The film includes a water based latex polymer, such as transparent film-forming core/shell latex polymers, a polar polymer, such as polymers having an ionic component to increase the receptivity of the coating to water-based inks, and a surfactant, such as an alkyaryl sulfonate, to prevent agglomeration of the latex polymer before it is formed into film. The preferred latex polymer is a core/shell latex polymer. The preferred polar polymer is chemically compatible with latex polymers and is sufficiently ionic or polar to improve the printability onto the film of water-based inks. The surfactant, which may be in the latex as manufactured or may be added separately, has a molecular structure that includes at least one hydrophobic moiety and at least one anionic group such as sulfates, sulfonates and the like.

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