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(71) Applicant (for all designated States except US): **RHO-
DIA OPERATIONS** [FR/FR]; 40 Rue De La Haie Coq,
F-93300 Aubervilliers (FR).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **ZONG, Zhengang**
[CN/US]; 29 Manley Road, Pennington, NJ 08534 (US).
LI, Yi-Zhong [US/US]; 41 Mason Avenue, East
Brunswick, NJ 08816 (US). **RUIZ, Jose** [US/US]; 36
Groom Street, Burlington, NJ 08016 (US). **ADAM,
Herve** [FR/US]; 4 Fawn Way, Clarksburg, NJ 08510
(US).

(74) Agent: **PACHO, Jericho, B.**; Rhodia Inc., 8 Cedar Brook
Drive, CN 7500, Cranbury, NJ 08512-7500 (US).

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(54) Title: METHODS AND SYSTEMS FOR IMPROVING OPEN TIME AND DRYING TIME OF LATEX BINDERS AND AQUEOUS COATINGS

(57) Abstract: Disclosed are low T_g latex polymers and low VOC aqueous coating compositions having an improved open time profile as well as drying time, stain resistance, wet edge time, low temperature film formation, block resistance, adhesion, water sensitivity and low-VOC content. The latex polymers and aqueous coating compositions include at least one latex polymer derived from at least one monomer copolymerized or blended with an alkoxylated compound, such as an alkoxylated tristyrylphenol or an alkoxylated tributylphenol. Also provided is an aqueous coating or adhesive composition including at least one latex polymer, water and one or a blend of two or more open time additives or drying time additives. The blend can comprise nonionic and anionic open time additives. Typically, the open time and/or drying time additive is present in an amount greater than about 1.3% by weight of the polymer or composition.



WO 2011/071510 A1