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— *as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii)) for the following designations AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZM, ZW, ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG)*

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(54) Title: INK RECEPTIVE FILMS AND PRINTING STOCKS



(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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