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(71) Applicant: **CELANESE INTERNATIONAL CORPORATION** [US/US]; 1601 West LBJ Freeway, Dallas, TX 75234 (US).

(72) Inventor: **BOYLAN, John, Richard**; 3235 Altonah Road, Bethlehem, PA 18017 (US).

(74) Agents: **SPIERING, M., Susan** et al.; c/o Celanese Ltd., 1901 Clarkwood Road, Corpus Christi, TX 78409 (US).

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ACTION

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(54) Title: INK JET PRINTING PAPER INCORPORATING AMINE FUNCTIONAL POLY (VINYL ALCOHOL)

(57) Abstract: This invention relates to an improvement in coatings particularly suited for the preparation of paper products having an ink jet coating applied thereto and to the resulting paper products. The improvement in ink jet coatings resides in the incorporation of a primary amine functional polyvinyl alcohol ($PVOH/PVNH_2$) as a polymeric binder. One form of an amine functional polyvinyl alcohol is produced by the hydrolysis of a copolymer of vinyl acetate and Nvinylformamide or vinyl acetate and allyl amine. Another is the polyvinyl butyral derivative of polyvinyl alcohol which typically is formed by the reaction of a 4-amino alkyl aldehyde dialkyl acetal, such as 4-aminobutyraldehyde dimethyl acetal with polyvinyl alcohol.