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(21) International Application Number: PCT/US93/04357 (22) International Filing Date: 13 May 1993 (13.05.93) (30) Priority data: 07/884,500 15 May 1992 (15.05.92) US (71) Applicant: E.I. DU PONT DE NEMOURS AND COMPANY [US/US]; 1007 Market Street, Wilmington, DE 19898 (US). (72) Inventors: HOLFELD, Winfried, Thomas ; 700 Thornby Road, Wilmington, DE 19803 (US). MANCUSO, Dale, Emmett ; 2403 Berwyn Road, Wilmington, DE 19810 (US). (74) Agents: HENDRICKSON, John S. et al.; E.I. du Pont de Nemours and Company, Legal/Patent Records Center, 1007 Market Street, Wilmington, DE 19898 (US).		(81) Designated States: AU, BB, BG, BR, CA, CZ, FI, HU, JP, KP, KR, KZ, LK, MG, MN, MW, NO, NZ, PL, RO, RU, SD, SK, UA, VN, European patent (AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE). OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG). Published <i>With international search report.</i>
(54) Title: WOOL DYEING UTILIZING CONTROLLED DYE ADDITION (57) Abstract A process for the dyeing of a fibrous article containing wool with an anionic dye and products produced thereby. The process includes immersing the article in a dyeing bath of a liquid solvent for the anionic dye. The liquid solvent and the article are heated to a temperature at least equal to the dyeing transition temperature. At least a portion of the dye is added as a miscible liquid concentrate while the solvent and the article are up to temperature. Stirring of the bath during the dye addition period and while the solvent and article are up to temperature is done to mix the dye concentrate with the solvent to form a dilute dye solution and to provide a flow of the dilute dye solution relative to the article to cause, on the average, essentially uniform dye transport of the anionic dye to the article. The dye addition rate is adjusted so that the dye addition rate is the primary control over the rate of dye uptake by the article. This Sheet Has Been Replaced 		