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(21) International Application Number: PCT/US97/18945 (22) International Filing Date: 17 October 1997 (17.10.97) (30) Priority Data: 60/029,080 23 October 1996 (23.10.96) US (71) Applicant: SOLUTIA INC. [US/US]; 10300 Olive Boulevard, St. Louis, MO 63141 (US). (72) Inventors: MONICAL, Valerie, S.; 13827 Brooklet View Court, Houston, TX 77059 (US). STEINMEYER, Daniel, E.; 2008 Wilson Ridge Lane, Chesterfield, MO 63005 (US). WARD, Gregory; 1152 Jaguar Circle, Gulf Breeze, FL 32561 (US). (74) Agent: GOODMAN, Kenneth, D.; Arnold, White & Durkee, P.O. Box 4433, Houston, TX 77210-4433 (US).		(81) Designated States: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZW, ARIPO patent (GH, KE, LS, MW, SD, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, DE, DK, ES, FI, 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> <i>Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i>
(54) Title: PROCESS FOR PURIFYING ACRYLONITRILE (57) Abstract The fouling rate of quench systems in acrylonitrile manufacturing processes is reduced by maintaining a low level of highboiling organic compounds in aqueous recycle streams to the quench systems.		