



INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁶ : H01L	A2	(11) International Publication Number: WO 98/26449 (43) International Publication Date: 18 June 1998 (18.06.98)
(21) International Application Number: PCT/US97/22736 (22) International Filing Date: 8 December 1997 (08.12.97) (30) Priority Data: 60/032,588 9 December 1996 (09.12.96) US (71) Applicant (for all designated States except US): ASHLAND INC. [US/US]; P.O. Box 2219, Columbus, OH 43216 (US). (72) Inventor; and (75) Inventor/Applicant (for US only): HACKETT, Thomas, B. [US/US]; 2428 Merbrook Road, Columbus, OH 43235 (US). (74) Agents: PICKEN, Mary, E.; Ashland Inc., P.O. Box 2219, Columbus, OH 43216 (US) et al.		(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, HU, 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, TJ, TM, TR, TT, UA, UG, US, UZ, VN, 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>Without international search report and to be republished upon receipt of that report.</i>
(54) Title: A METHOD FOR PURIFICATION OF ACIDS FOR USE IN SEMICONDUCTOR PROCESSING (57) Abstract A method of making high purity acids and their derivatives, particularly citric acid and ammonium citrate. These purified compositions are useful in the manufacture of integrated circuits for the semiconductor industry. Purification is done using strong acid ion exchange resins.		