

**PCT**WORLD INTELLECTUAL PROPERTY ORGANIZATION
International Bureau

INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁶ : C07D 213/89, 213/06, 213/61		A1	(11) International Publication Number: WO 97/36872
			(43) International Publication Date: 9 October 1997 (09.10.97)
(21) International Application Number: PCT/US97/04371		(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, MX , MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG , SI, SK, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, 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).	
(22) International Filing Date: 19 March 1997 (19.03.97)		Published <i>With international search report.</i>	
(30) Priority Data: . 60/015,133 29 March 1996 (29.03.96) US 08/794,107 3 February 1997 (03.02.97) US			
(71) Applicant: OLIN CORPORATION [US/US]; 350 Knotter Drive, P.O. Box 586, Cheshire, CT 06410-0586 (US).			
(72) Inventors: SCHIESSL, Henry, W.; 79 Parsonage Hill Road, Northford, CT 06472 (US). MANKE, Steven, A.; 6 South Side Court, Wallingford, CT 06492 (US).			
(74) Agents: CARLSON, Dale, Lynn et al.; Wiggin & Dana, One Century Tower, New Haven, CT 06508-1832 (US).			
(54) Title: OXIDATION OF PYRIDINE AND DERIVATIVES			
(57) Abstract A process for preparing an N-oxide of pyridine or a halopyridine, said process comprising reacting a reaction mixture of said pyridine, or said halopyridine, and hydrogen peroxide in a reaction conducted at an elevated temperature in the presence of a catalytically effective amount of a heterogeneous catalyst, said heterogeneous catalyst being insoluble in said reactants, to form said 2-halopyridine-N-oxide or pyridine-N-oxide.			