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(51) International Patent Classification ⁶ : C07C 45/50, C07F 9/02, B01J 31/18	A1	(11) International Publication Number: WO 97/20799 (43) International Publication Date: 12 June 1997 (12.06.97)															
(21) International Application Number: PCT/US96/19411 (22) International Filing Date: 5 December 1996 (05.12.96) (30) Priority Data: <table border="0"> <tr> <td>008,289</td> <td>6 December 1995 (06.12.95)</td> <td>US</td> </tr> <tr> <td>008,763</td> <td>6 December 1995 (06.12.95)</td> <td>US</td> </tr> <tr> <td>008,284</td> <td>6 December 1995 (06.12.95)</td> <td>US</td> </tr> <tr> <td>008,286</td> <td>6 December 1995 (06.12.95)</td> <td>US</td> </tr> <tr> <td>08/756,786</td> <td>26 November 1996 (26.11.96)</td> <td>US</td> </tr> </table> (71) Applicant: UNION CARBIDE CHEMICALS & PLASTICS TECHNOLOGY CORPORATION [US/US]; 39 Old Ridgebury Road, Danbury, CT 06817-0001 (US). (72) Inventors: BRYANT, David, Robert; 1201 Shady Way, So. Charleston, WV 25303 (US). NICHOLSON, James, Clair; 1204 Woodland Avenue, So. Charleston, WV 25303 (US). (74) Agent: WIGGINS, Karen, Johnson; Union Carbide Chemicals & Plastics Technology Corporation, 39 Old Ridgebury Road, Danbury, CT 06817-0001 (US).		008,289	6 December 1995 (06.12.95)	US	008,763	6 December 1995 (06.12.95)	US	008,284	6 December 1995 (06.12.95)	US	008,286	6 December 1995 (06.12.95)	US	08/756,786	26 November 1996 (26.11.96)	US	(81) Designated States: AL, AM, AU, BB, BG, BR, CA, CN, CZ, EE, GE, HU, IS, JP, KG, KP, KR, LK, LR, LT, LV, MD, MG, MK, MN, MX, NO, NZ, PL, RO, SG, SI, SK, TR, TT, UA, UZ, VN, ARIPO patent (KE, LS, MW, SD, SZ, UG), 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>
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(54) Title: IMPROVED METAL-LIGAND COMPLEX CATALYZED PROCESSES (57) Abstract This invention relates to a process for separating one or more phosphorus acidic compounds from a reaction product fluid containing said one or more phosphorus acidic compounds, a metal-organophosphite ligand complex catalyst and optionally free organophosphite ligand which process comprises (a) treating said reaction product fluid with water sufficient to remove at least some amount of said one or more phosphorus acidic compounds from said reaction product fluid and (b) treating the water which contains phosphorus acidic compounds removed from said reaction product fluid with an acid removal substance sufficient to remove at least some amount of said one or more phosphorus acidic compounds from said water.																	