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(51) International Patent Classification ⁶ : C07C 45/50	A1	(11) International Publication Number: WO 97/20800 (43) International Publication Date: 12 June 1997 (12.06.97)															
<p>(21) International Application Number: ✓ PCT/US96/19412</p> <p>(22) International Filing Date: ✓ 5 December 1996 (05.12.96)</p> <p>(30) Priority Data:</p> <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>✓ 757,740</td><td>✓ 26 November 1996 (26.11.96)</td><td>US ✓</td></tr></table> <p>(71) Applicant: UNION CARBIDE CHEMICALS & PLASTICS TECHNOLOGY CORPORATION [US/US]; 39 Old Ridgebury Road, Danbury, CT 06817-0001 (US). ✓</p> <p>(72) Inventors: BILLIG, Ernst; 2208 Donald Avenue, Huntington, WV 25701 (US). BRYANT, David, Robert; 1201 Shady Way, So. Charleston, WV 25303 (US). ✓</p> <p>(74) Agent: WIGGINS, Karen, Johnson; Union Carbide Chemicals & Plastics Technology Corporation, 39 Old Ridgebury Road, Danbury, CT 06817-0001 (US).</p>		✓ 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 ✓	✓ 757,740	✓ 26 November 1996 (26.11.96)	US ✓	<p>(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).</p> <p>Published</p> <p><i>With international search report.</i></p>
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<p>(54) Title: IMPROVED METAL-LIGAND COMPLEX CATALYZED PROCESSES ✓</p> <p>(57) Abstract</p> <p>This invention relates to a process which comprises reacting one or more reactants in the presence of a metal-organopolyphosphite ligand complex catalyst to produce a reaction product fluid comprising one or more products, wherein said process is conducted at a free organopolyphosphite ligand concentration sufficient to prevent and/or lessen hydrolytic degradation of the organopolyphosphite ligand and deactivation of the metal-organopolyphosphite ligand complex catalyst.</p>																	