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(51) International Patent Classification ⁶ : C07C 45/50	A1	(11) International Publication Number: WO 97/20795 (43) International Publication Date: 12 June 1997 (12.06.97)															
<p>(21) International Application Number: PCT/US96/19373</p> <p>(22) International Filing Date: 5 December 1996 (05.12.96)</p> <p>(30) Priority Data:</p> <table border="0"> <tr> <td>60/008,289</td> <td>6 December 1995 (06.12.95)</td> <td>US</td> </tr> <tr> <td>60/008,763</td> <td>6 December 1995 (06.12.95)</td> <td>US</td> </tr> <tr> <td>60/008,284</td> <td>6 December 1995 (06.12.95)</td> <td>US</td> </tr> <tr> <td>60/008,286</td> <td>6 December 1995 (06.12.95)</td> <td>US</td> </tr> <tr> <td>Not furnished</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: BRYANT, David, Robert; 1201 Shady Way, So. Charleston, WV 25303 (US). LEUNG, Tak, Wai; 3823 Canary Grass Lane, Houston, TX 77509 (US).</p> <p>(74) Agent: WIGGINS, Karen, Johnson; Union Carbide Chemicals & Plastics Technology Corporation, 39 Old Ridgebury Road, Danbury, CT 06817-0001 (US).</p>		60/008,289	6 December 1995 (06.12.95)	US	60/008,763	6 December 1995 (06.12.95)	US	60/008,284	6 December 1995 (06.12.95)	US	60/008,286	6 December 1995 (06.12.95)	US	Not furnished	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 <i>With international search report.</i></p>
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<p>(54) Title: PROCESSES EMPLOYING INDICATOR LIGANDS</p> <p>(57) Abstract</p> <p>This invention relates to processes which comprise reacting one or more reactants in the presence of a metal-organopolysphosphite ligand complex catalyst and optionally free organopolysphosphite ligand, and an amount of a sterically hindered organophosphorus ligand different from the organopolysphosphite ligand of said metal-organopolysphosphite ligand complex catalyst, to produce one or more products. The sterically hindered organophosphorus ligands are useful as indicators of organopolysphosphite ligand depletion in said processes.</p>																	