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(21) International Application Number: PCT/US96/19313 (22) International Filing Date: 5 December 1996 (05.12.96) (30) Priority Data: <table border="0" style="width: 100%;"> <tr> <td style="width: 30%;">60/008,284</td> <td style="width: 30%;">6 December 1995 (06.12.95)</td> <td style="width: 40%;">US</td> </tr> <tr> <td>60/008,286</td> <td>6 December 1995 (06.12.95)</td> <td>US</td> </tr> <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>Not furnished</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: BECKER, Michael, Carl; 117 Pollins Way, League City, TX 77573 (US). BRYANT, David, Robert; 1201 Shady Way, So. Charleston, WV 25303 (US). BUNNING, Donald, Leroy; 925 Woodland Avenue, So. Charleston, WV 25303 (US). NICHOLSON, James, Clair; 1204 Central Avenue, So. Charleston, WV 25303 (US). BILLIG, Ernst; 2208 Donald Avenue, Huntington, WV 25701 (US). (74) Agent: WIGGINS, Karen, Johnson; Union Carbide Chemicals & Plastics Technology Corporation, 39 Old Ridgebury Road, Danbury, CT 06817-0001 (US).		60/008,284	6 December 1995 (06.12.95)	US	60/008,286	6 December 1995 (06.12.95)	US	60/008,289	6 December 1995 (06.12.95)	US	60/008,763	6 December 1995 (06.12.95)	US	Not furnished	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> <i>Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i>
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(54) Title: PROCESSES USING MULTISTAGED REACTORS (57) Abstract <p>This invention relates to a process for producing one or more products in a staged reactor having more than one reactive stage which process comprises reacting in said staged reactor one or more reactants with carbon monoxide in the presence of a metal-organophosphorus ligand complex catalyst and optionally free organophosphorus ligand to produce said one or more products, wherein said metal-organophosphorus ligand complex catalyst does not undergo substantial deactivation in the presence of solely carbon monoxide and/or effects a change in normal product selectivity of less than 0.2 percent of normal product per 1 pound per square inch of carbon monoxide partial pressure and/or effects a change in reaction rate of less than 2 percent per 1 pound per square inch of carbon monoxide partial pressure.</p>																	