

(51) International Patent Classification ⁶ : C07C 45/50, 45/80, 67/347, 51/373, 253/30, C07F 9/145, C07C 47/02, 69/716, 59/147, 255/17	A1	(11) International Publication Number: WO 99/06345 (43) International Publication Date: 11 February 1999 (11.02.99)
(21) International Application Number: PCT/US98/15763 (22) International Filing Date: 29 July 1998 (29.07.98) (30) Priority Data: 08/902,508 29 July 1997 (29.07.97) US (71) Applicants: E.I. DU PONT DE NEMOURS AND COMPANY [US/US]; 1007 Market Street, Wilmington, DE 19898 (US). DSM N.V. [NL/NL]; Het Overloon 1, NL-6411 TE Heerlen (NL). (72) Inventor: BUNEL, Emilio, Enrique; 521 Andover Road, Wilmington, DE 19803 (US). (74) Agent: TULLOCH, Rebecca, W.; E.I. du Pont de Nemours and Company, Legal Patent Records Center, 1007 Market Street, Wilmington, DE 19898 (US).	(81) Designated States: CA, CN, ID, JP, KR, SG, European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE). Published <i>With international search report.</i>	
(54) Title: IMPROVED PROCESS OF PREPARATION OF LINEAR ALDEHYDES		
(57) Abstract The present invention provides an improved hydroformylation process in which the catalyst system is composed of a Group VIII metal and organic ligand containing phosphorous having the structure (PR₂)ⁿR' where n is an integer from 1 to 2, R and R' are organic residues which may be the same or different and where the R or R' contain at least one C9 to C40 aliphatic group positioned as a tail extending away from the primary ligand structure rendering the ligand lipophilic.		