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(21) International Application Number: PCT/EP96/04654 (22) International Filing Date: 22 October 1996 (22.10.96) (30) Priority Data: 95202890.9 25 October 1995 (25.10.95) EP (34) Countries for which the regional or international application was filed: GB et al. (71) Applicant (for all designated States except CA): SHELL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V. [NL/NL]; Carel van Bylandtlaan 30, NL-2596 HR The Hague (NL) (71) Applicant (for CA only): SHELL CANADA LIMITED [CA/CA]; 400 - 4th Avenue S.W., Calgary, Alberta T2P 2H5 (CA). (72) Inventors: ARNOLDY, Peter; Badhuisweg 3, NL-1031 CM Amsterdam (NL); IPING, Amokhus, Maria; Badhuisweg 3, NL-1031 CM Amsterdam (NL).	(81) Designated States: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SI, SK, TJ, TM, TR, TT, UA, UG, 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 With international search report.	
(54) Title: HYDROFORMYLATION PROCESS (57) Abstract Accordingly, a process is provided for the hydroformylation of ethylenically unsaturated compounds having at least 4 carbon atoms by reaction thereof with carbon monoxide and hydrogen in the presence of a solvent and a catalyst system obtainable by combining: a) a source of Group VIII metal cations; b) a source of anions; and c) a source of phosphine ligands, wherein the solvent is a C₁ to C₁₀ alkane or alkene having two or more cyano groups attached.		