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<p>(21) International Application Number: PCT/EP96/03170 (22) International Filing Date: 16 July 1996 (16.07.96) (30) Priority Data: 95201967.7 17 July 1995 (17.07.95) 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: DRENT, Eit; Badhuisweg 3, NL-1031 CM Amsterdam (NL). HASSELAAR, Melis; Badhuisweg 3, NL-1031 CM Amsterdam (NL).</p>	<p>(81) Designated States: AL, AM, AT, AU, AZ, 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, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, 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.</p>	
<p>(54) Title: PROCESS FOR THE CONTINUOUS CARBONYLATION OF OLEFINS (57) Abstract The invention relates to a process for the continuous carbonylation of olefins whereby an olefin is reacted with carbon monoxide and a nucleophilic compound in the presence of a catalyst system based on: (a) a source of a Group VIII metal cations, (b) a source of an aliphatic diphosphine, and (c) a carboxylic acid which is the hydrocarboxylation product of the olefin, whereby during the process the carboxylic acid is either added continuously or intermittently or is prepared in-situ by continuous or intermittent addition of water.</p>		