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<p>(21) International Application Number: PCT/EP96/00163</p> <p>(22) International Filing Date: 17 January 1996 (17.01.96)</p> <p>(30) Priority Data: 95300301.9 18 January 1995 (18.01.95) EP <i>(34) Countries for which the regional or international application was filed:</i> AT et al. 375,324 18 January 1995 (18.01.95) US</p> <p>(71) Applicants (for all designated States except US): EXXON CHEMICAL LIMITED [GB/GB]; 4600 Parkway, P.O. Box 122, Fareham, Hants PO15 7AP (GB). EXXON CHEMICAL PATENTS INC. [US/US]; 1900 East Linden Avenue, Linden, NJ 07036 (US). EXXON RESEARCH & ENGINEERING COMPANY [US/US]; 200 Park Avenue, P.O. Box 390, Florham Park, NJ 07932 (US).</p> <p>(72) Inventors; and (75) Inventors/Applicants (for US only): KISS, Gabor [HU/US]; 4 Thomas Court, Hampton, NJ 08827 (US). MATTURRO, Michael, G. [US/US]; 41 York Street, Lambertville, NJ 08530 (US). DECKMAN, Harry, William [US/US]; 2 Woods Edge Court, Clinton, NJ 08809 (US). HER-SHKOWITZ, Frank [US/US]; 509 Lyons Road, Liberty Corner, NJ 07938 (US). LUMGAIR, David, R., Jr.</p>	<p>[US/US]; 5111 Middle Falls Drive, Kingwood, TX 77345 (US). JANDA, Gary, F. [US/US]; 14815 Redwood Bend Trail, Houston, TX 77062 (US). KING, Daniel, N. [US/US]; 14506 Hickory Court, Houston, TX 77062 (US).</p> <p>(74) Agents: BAWDEN, Peter, Charles et al.; Exxon Chemical Limited, Exxon Chemical Technology Centre, P.O. Box 1, Abingdon, Oxfordshire OX13 6BB (GB).</p> <p>(81) Designated States: AL, AM, AT, AU, AZ, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, 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, US, UZ, VN, ARIPO patent (KE, LS, MW, SD, SZ, UG), Eurasian patent (AZ, BY, KG, KZ, RU, TJ, TM), European patent (AT, BE, CH, DE, DK, ES, 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 With international search report.</p>	
<p>(54) Title: HYDROFORMYLATION PROCESS</p> <p>(57) Abstract</p> <p>A dilute ethylene stream, e.g., one produced by steam cracking, is oxonated to yield propanal, without the need to separate other lower hydrocarbons.</p>		