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(21) International Application Number: ☒ PCT/US98/01835 (22) International Filing Date: ☒ 30 January 1998 (30.01.98) (30) Priority Data: 60/037,186 ☒ 4 February 1997 (04.02.97) ☒ US 09/010,776 ☒ 22 January 1998 (22.01.98) ☒ US (71) Applicant: EASTMAN CHEMICAL COMPANY [US/US]; 100 North Eastman Road, Kingsport, TN 37660 (US). ☒ (72) Inventors: TUSTIN, Gerald, Charles ☒ 1065 Rotherwood Drive, Kingsport, TN 37660 (US). ZOELLER, Joseph, Robert ☒ 2421 Rivermont Drive, Kingsport, TN 37660 (US). BROWNING, Horace, Lawrence (Jr.) ☒ 1113 Radcliffe Avenue, Kingsport, TN 37664 (US). SINGLETON, Andy, Hugh ☒ 4137 Skyland Drive, Kingsport, TN 37664 (US). ☒ (74) Agent: BLAKE, Michael, J.; P.O. Box 511, Kingsport, TN 37662-5075 (US).		(81) Designated States: CA, CN, JP, ☒ SG, European patent (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE). Published With international search report. 9902812-8 1P053 copy
(54) Title: HETEROGENEOUS VAPOR PHASE CARBONYLATION PROCESS ☒ (57) Abstract Disclosed is a process wherein a mixture of methanol or a methanol source, a halide and carbon monoxide are contacted in the vapor phase with a supported catalyst comprising iridium and at least one second metal selected from ruthenium, molybdenum, tungsten, palladium, platinum and rhenium deposited on a catalyst support material.		