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(71) Applicants (for all designated States except US): EXXON RESEARCH & ENGINEERING COMPANY [US/US]; 200 Park Avenue, P.O. Box 390, Florham Park, NJ 07932 (US). EXXON CHEMICAL PATENTS INC. [US/US]; 1900 East Linden Avenue, Linden, NJ 07036 (US).		Published With international search report.	
(72) Inventors; and (75) Inventors/Applicants (for US only): HORVATH, Istvan, Tamas [HU/US]; 70 Valley View Road, High Bridge, NJ 08829 (US). KISS, Gabon [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). COOK, Raymond, A. [US/US]; 140 Blackbrook Road, Hampton, NJ 08827 (US). DEAN, Anthony, Marlon [US/US]; 67 Cross Acres Drive, Hampton, NJ 08807 (US). HERSHKOWITZ, Frank			
(54) Title: HYDROFORMYLATION OF A MULTI-COMPONENT FEED STREAM			
(57) Abstract A process for the production of C ₃ to C ₆ aldehydes by hydroformylating a mixture of (i) C ₂ to C ₃ olefins and mixtures thereof, (ii) C ₂ to C ₃ alkynes and mixtures thereof and optionally (iii) cumulated dienes in the presence of a solution of a rhodium organophosphorus complex catalyst at a concentration of rhodium in solution of from 1 to 1000 ppm by weight, in particular the olefine is ethylene and the alkyne acetylene and the ratio of phosphorus to rhodium is greater than 30. The aldehydes are useful intermediates in the production of various alcohols, polyols and acids.			