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(54) Title: HYDROFORMYLATION PROCESS

(57) Abstract: A process for the production of 4-hydroxybutyraldehyde is described. The process comprises reacting allyl alcohol with a mixture of carbon monoxide and hydrogen in the presence of a solvent and a catalyst system comprising a rhodium complex and a trans-1,2-bis(bis(3,5-di-n-alkylphenyl)phosphinomethyl)-cyclobutane. The process gives high yield of 4-hydroxybutyraldehyde compared to 3-hydroxy-2-methylpropionaldehyde.

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