

ABSTRACT

**MULTISTAGE PROCESS FOR THE PREPARATION OF OXO ALDHYDES
AND/OR ALCOHOLS**

- The invention relates to a process for the multistage cobalt- or rhodium-catalyzed hydroformylation of
- 5 olefins having 6 to 24 carbon atoms to give alcohols and/or aldehydes, where the olefins
- a) are hydroformylated in a hydroformylation step to a conversion of from 20 to 98%,
 - b) the catalyst is removed from the resulting liquid
 - 10 reactor discharge,
 - c) the resulting liquid hydroformylation mixture is separated into a low-boiler fraction comprising olefins and paraffins, and a bottoms fraction comprising aldehydes and/or alcohols,
 - 15 d) the olefins present in the low-boiler fraction are reacted in further process stages comprising the process steps a, b and c
- and the bottoms fractions of process steps c) of all process stages are combined.

FIGURE : NONE