

Continuous hydroformylation of polyalkenes having from 30 to 700 carbon atoms

5 Abstract

Essentially monounsaturated polyalkylenes having from 30 to 700 carbon atoms are continuously hydroformylated by a process in which i) a hydroformylation-active cobalt carbonyl catalyst is
10 prepared from a catalyst precursor dissolved in an aqueous phase in the absence of the polyalkylenes, ii) the polyalkylenes are hydroformylated by means of synthesis gas in the presence of the cobalt carbonyl catalyst in a reaction zone, iii) the cobalt carbonyl catalyst is separated from the output from the reaction
15 zone with at least partial reformation of the catalyst precursor and the catalyst precursor is recirculated to step i).

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