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(54) Title: METHODS OF PRODUCING FATTY ALCOHOLS AND COMPOSITIONS THEREOF



Figure 1

(57) Abstract: The present disclosure relates to methods of producing fatty alcohols, comprising oxidizing a polyolefin in the presence of an iron (II) catalyst and a peroxide initiator to form at least one dicarboxylic acid; and hydrogenating the at least one dicarboxylic acid in the presence of a metal catalyst in order to form the fatty alcohol. The present disclosure also relates to a fatty alcohol composition.

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