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PROCESS FOR PRODUCING α -OLEFIN

Abstract

A production process for α -olefins making use of elimination reaction of a primary alcohol or an ether is characterized by use of an alumina catalyst in the presence
5 of an amine. The production process for α -olefins according to the present invention can yield an α -olefin at a high proportion with respect to the entire olefin products and can maintain the reactivity of the catalyst and selectivity of the products for a prolonged time. In
10 the process, unreacted material and ether intermediate by-product produced in the process can be used in the reaction with the same catalyst. This allows industrially and environmentally favorable production process of α -olefins.