

**PROCESS FOR HYDROTREATMENT AND HYDROISOMERIZATION OF
FEEDSTOCKS OBTAINED FROM A RENEWABLE SOURCE
IMPLEMENTING A ZEOLITE THAT IS MODIFIED BY
A BASIC TREATMENT**

Abstract

This invention describes a process for treatment of feedstocks obtained from a renewable source implementing – in one hydroisomerization stage - a catalyst that comprises at least one hydro-dehydrogenating metal that is selected from the group that is formed by the metals of group VIB and group VIII of the periodic table and a substrate that comprises at least one dealuminified Y zeolite that has an initial overall atomic ratio of silicon to aluminum of between 2.5 and 20, a fraction by weight of an initial extra-network aluminum atom that is greater than 10%, relative to the total mass of aluminum that is present in the zeolite, an initial mesopore volume that is measured by nitrogen porosimetry that is greater than 0.07 ml g^{-1} , and an initial crystalline parameter a_0 of the elementary mesh of between $24.38 \text{ \AA}$ and $24.30 \text{ \AA}$, whereby said zeolite is modified by a) a basic treatment stage that consists of the mixing of said dealuminified Y zeolite with a basic aqueous solution, and at least one heat treatment stage c)

No figure