

N-OLEFIN SKELETAL ISOMERIZATION PROCESS

ABSTRACT

5 In a process for skeletal isomerization of linear
olefins to iso-olefins, e.g., n-butenes to
isobutylene, over a catalyst comprising medium pore
zeolite, e.g., a zeolite selected from ZSM-22, ZSM-23,
and ZSM-35, the zeolite is pretreated with a
dicarboxylic acid, e.g., oxalic acid. The pretreatment
significantly reduces aging rate and increases cycle
10 length of the catalyst.

FIGURE 1 IS SUGGESTED FOR PUBLICATION.