

ABSTRACT

PROCESS FOR REGENERATING CATALYST FOR PREPARING UNSATURATED
ALDEHYDE AND/OR UNSATURATED CARBOXYLIC ACID AND PROCESS FOR
5 PREPARING UNSATURATED ALDEHYDE AND/OR UNSATURATED CARBOXYLIC ACID

A process for regenerating a catalyst consisting of a mixed oxide
having molybdenum, bismuth and iron used for preparing an
unsaturated aldehyde and/or an unsaturated carboxylic acid by
10 catalytically oxidizing propylene, isobutylene and/or tert.-
butanol with molecular oxygen in a gas phase, in which the
catalyst is regenerated by thermally treating the deteriorated
catalyst in an atmosphere of a gas containing molecular oxygen at
a temperature of 200 to 500°C, and then thermally treating the
15 catalyst in the presence of a reducing compound at a temperature
of 200 to 500°C.