

**CATALYST AND PROCESS FOR PREPARING ACROLEIN AND/OR
ACRYLIC ACID BY DEHYDRATION REACTION OF GLYCERIN**

5 ABSTRACT

A catalyst composition comprising at least an heteropolyacid deposited on a porous titania carrier. A catalyst composition comprising at least an heteropolyacid in which protons in the heteropolyacid may be partially exchanged by at least one cation selected from elements belonging to Group 1 to Group 16 of the Periodic Table of Elements that
10 have been deposited on a porous titania carrier. A method for preparing the catalyst composition, comprising impregnating a titania carrier with a solution of at least one metal selected from elements belonging to the Group 1 to Group 16 of the Periodic Table of Elements or onium, drying and firing the resulting solid mixture, secondly impregnating the resulting solid mixture with a solution of heteropolyacid, drying, and
15 firing the resulting solid mixture. A process for preparing acrolein and acrylic acid by dehydration of glycerin, carried out in the presence of the catalyst.

No Suitable Figure