

31-2006-1040 | Process for the Epoxidation of Alkenes and Polyoxofluorometalates
Neumann Ronny, HUJI, Faculty of Science, The Casali Center for Applied Chemistry

Background

Epoxidation of alkenes is an important chemical transformation whereby an oxygen atom is added to the carbon-carbon double bond to form an epoxide. The epoxides are often utilized as intermediate compounds which can then be transformed to final products.

Our innovation

The invention discloses a process for the catalytic epoxidation of alkene comprising contacting a transition metal substituted polyoxometalate and molecular oxygen with alkene.

Patent Status

Granted Israel

Contact for more information:

Amit Hayuth

VP, BUSINESS DEVELOPMENT

Yissum Research Development Company of the Hebrew University of Jerusalem

Hi-Tech Park, Edmond J. Safra Campus, Givat-Ram, Jerusalem

P.O. Box 39135, Jerusalem 91390 Israel

Telephone: 972-2-658-6688, Fax: 972-2-658-6689