

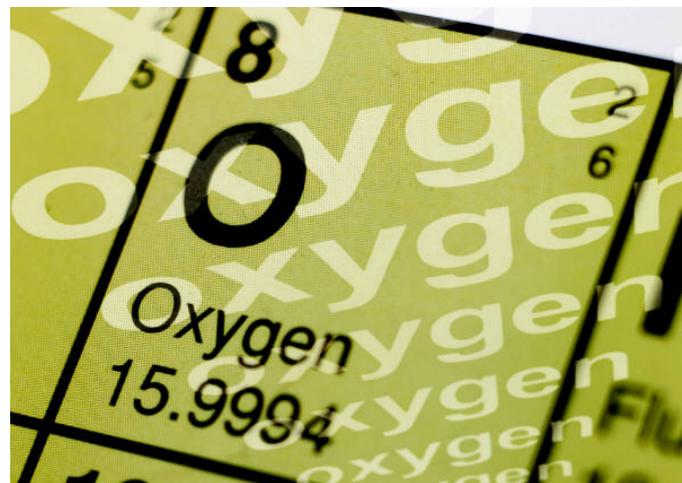
# IOWA STATE UNIVERSITY

Iowa State University Research Foundation, Inc.  
Office of Intellectual Property and Technology Transfer

## Selective Oxidation of Organic Substrates to Partially Oxidized Products

### Industry Need:

*Production of chemicals such as aldehydes and ketones, which are starting materials for many important industrial products, requires the use of compounds which are classified as hazardous materials.*



### Solution:

*Environmentally friendly oxidation system for the conversion of alcohols to ketones or aldehydes*

*Selective Oxidation: Licensing/Commercialization Opportunity*

## About the Technology

- **Rapid** and controlled rate of catalysis
- **Environmentally friendly** (works in conjunction with ozone which naturally decomposes to oxygen)
- **Versatile** (may be used for any applications and/or substrates requiring oxidation)



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## Application Areas

- Chemical manufacturing



*Selective Oxidation: Licensing/Commercialization Opportunity*

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## Status

- **Development Stage:**



- **Intellectual Property Status:**

- Patent pending
- ISURF #3901

- **Contact Information:**

Renate Hippen

Email: [rhippen@iastate.edu](mailto:rhippen@iastate.edu)

Phone: 515-294-7707

