



## TECHNOLOGY

# PtRu Core-Shell Nanoparticles for Heterogeneous Catalysis

## OVERVIEW

There are known Pt-Ru bimetallics and core shell particles. However University of Maryland researchers have developed a bimetallic that is more efficient at oxidizing hydrogen in CO-rich gas feeds (wherein the CO is present in amounts of 1000 ppm) than any other reported catalyst.

It is believed that this new Pt-Ru catalyst will be used as a superior anode catalyst for hydrogen fuel cells.

For additional information please contact the Office of Technology Commercialization, 301-405-3947 or by e-mail at [otc@umd.edu](mailto:otc@umd.edu)

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## Additional Information

### INSTITUTION

University of Maryland, College Park

### PATENT STATUS

Patent(s) pending

### LICENSE STATUS

Contact OTC for licensing information

### CATEGORIES

- Nanotechnology + Nanoparticles + Nanomaterials

### EXTERNAL RESOURCES

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